

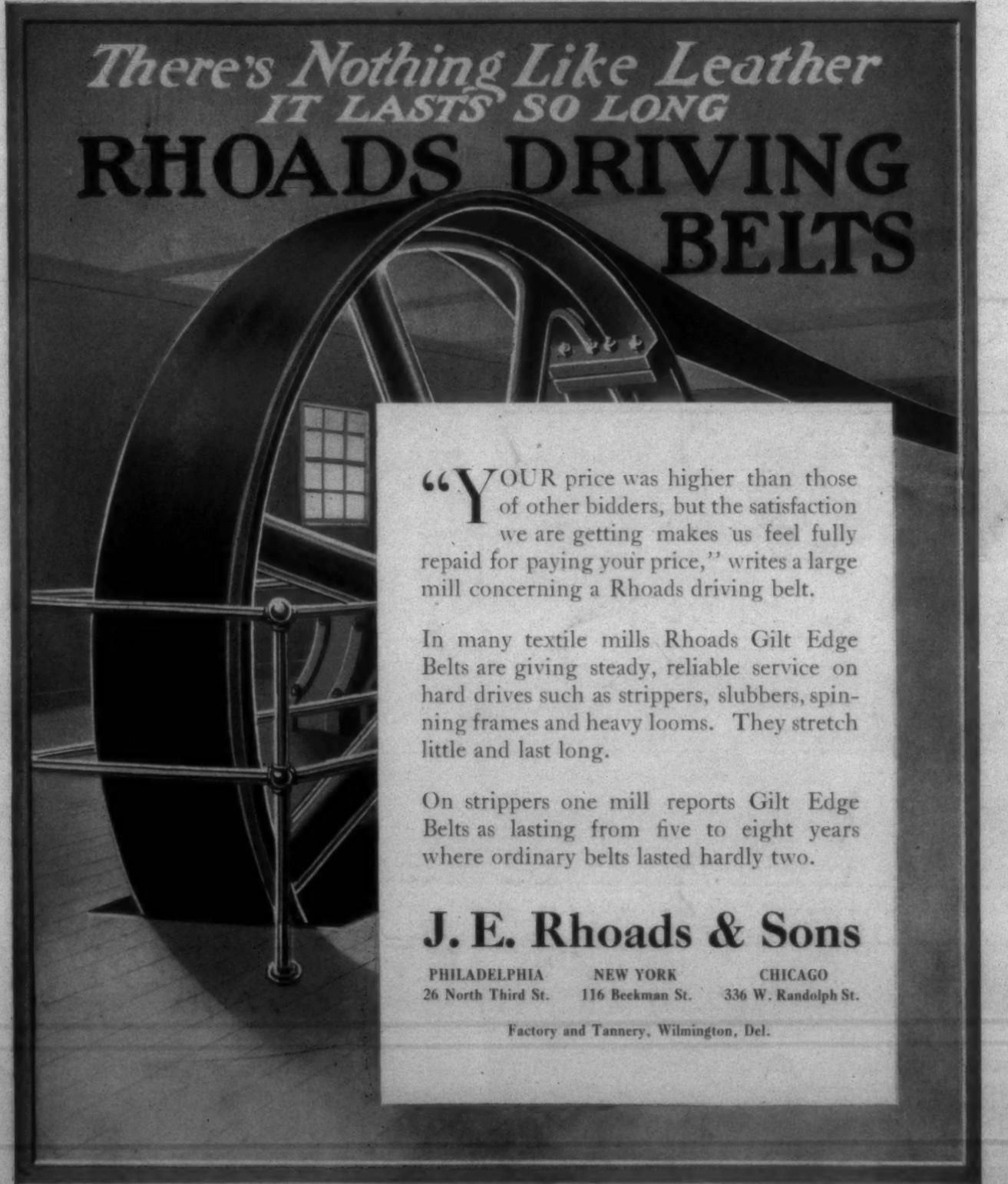
SOUTHERN TEXTILE EXPOSITION NUMBER

SOUTHERN TEXTILE BULLETIN

VOLUME XVII.

CHARLOTTE, N. C., THURSDAY, MAY 8, 1919

NUMBER 10



There's Nothing Like Leather
IT LASTS SO LONG
**RHOADS DRIVING
BELTS**

"YOUR price was higher than those of other bidders, but the satisfaction we are getting makes us feel fully repaid for paying your price," writes a large mill concerning a Rhoads driving belt.

In many textile mills Rhoads Gilt Edge Belts are giving steady, reliable service on hard drives such as strippers, slubbers, spinning frames and heavy looms. They stretch little and last long.

On strippers one mill reports Gilt Edge Belts as lasting from five to eight years where ordinary belts lasted hardly two.

J. E. Rhoads & Sons

PHILADELPHIA	NEW YORK	CHICAGO
26 North Third St.	116 Beekman St.	336 W. Randolph St.

Factory and Tannery, Wilmington, Del.

American Dyestuffs in 1919

THIS COMPANY was founded to provide America with a permanent dye-stuff industry. Its predecessors were the pioneers in American color production. The war brought not only the opportunity but the necessity for the development of this accumulated experience. Upon this experience has been built a structure in personnel and in equipment not bettered by any European works.

The obligation resting upon us during the war was to produce quantity. The emergency needs of the Government and of the textile industry demanded first attention. The building of our immense plants had to go on hand in hand. Today we are producing some 60 intermediate products and over 160 different colors. Type for type these products are as fine in quality as any ever imported.

Primarily and logically, the American coal-tar color industry is a servant of the great American textile manufacturers, whose annual product runs into the hundreds of millions. It is the needs of the great army of textile consumers that we serve. It is the voice of the textile manufacturer to whom we listen. It is because the great American investment in textile manufacture must be insured against loss for all time, that an American dye-stuff industry has been born to serve the Government with explosives of war, and with colors for textiles and allied industries in both peace and war.

National Aniline & Chemical Co., Inc.

Main Sales Office: 21 Burling Slip, New York

Southern Office and Warehouse
236 West First Street, Charlotte, N. C.

Clark's Directory of Southern Textile Mills

Complete and accurate information relative to
Southern Textile Mills

Pocket Size—Price \$1.50 Clark Pub. Co., Charlotte, N. C.

CLEAN WITH FELTON'S

FELTON'S BRUSHES ARE NOTED FOR LONG WEAR



D. D. FELTON BRUSH CO.

S. A. FELTON & SON CO.,
Manchester, N. H.

ATLANTA, GA.

THE GREATEST IMPROVEMENT MADE IN COTTON SPINNING IN QUARTER OF A CENTURY

The Richards-Hinds Light Running Rolls

Over 650,000 Spindles Equipped to Date

Guaranteed Claims

Cockley Yarn Preventor

Extra Strength of Yarn

Less Waste

Greater Production

Less Change of Setting

Reduced Cost of Spinning

One-third Saved on Leather Covered Rolls

Better Spinning with Improved Product

All machine builders are agents and will quote prices for new work.

Also for prices and particulars write to

The Metallic Drawing Roll Company
Indian Orchard, Mass.

Emmons Loom Harness Company

The Largest Manufacturers of Loom Harness and Reeds in America

Loom Harness and Reeds

Slasher and Striking Combs, Warper and Leice Reeds,
Beamer and Dresser Hecks, Mending Eyes, Jacquard
Heddles

LAWRENCE, MASS.

Dyestuffs for Olive Drab Army Cloth

COTTON OR WOOL

Made in America by

Consolidated Color and Chemical Co.,
NEWARK, N. J.

Meets Government Requirements for U. S. A.

H. A. METZ & COMPANY, Inc.

Selling Agents

122 Hudson Street

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JOSEPH SYKES BROTHERS, HUDDERSFIELD, ENGLAND

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Hardened and Tempered Steel Wire Plow
Ground Card Clothing

Revolving Top Flats re-clothed. Licker-ins re-wound. Burlisher and Stripper Fillets. Dronsfield's Grinder Rolls. Emery Fillets. All regular sizes of Card Clothing always in stock and shipped same day order is received.

RICHARD D. THOMAS, Southern Agent

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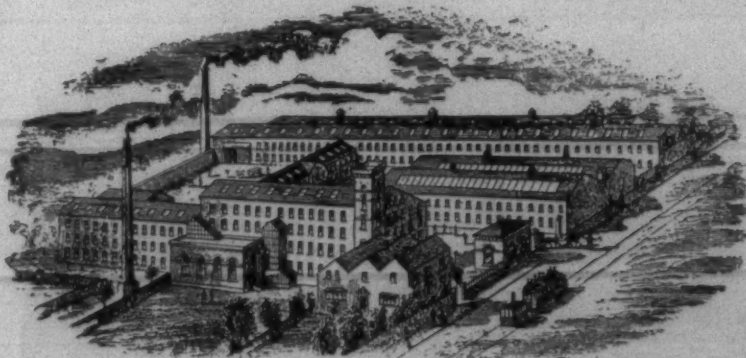
P. O. Box 88

CHARLOTTE, N. C.

4½ Peters Street

P. O. Box 793

ATLANTA, GA.



GREENVILLE

SOUTH CAROLINA

HOME OF

SOUTHERN TEXTILE EXPOSITION

Thirteen mills in the city, nineteen in the county.

Sixty-nine mills (2,540,000 spindles) within an hour's ride of the city.

Home of fifty-six mill Presidents and Managers.

Twice the number of spindles of any city in the South, with one exception.

The home of the largest mill engineering concern in the world.

Annual payrolls of textile mill and allied industries \$6,000,000.

Carolina Supply Co.

GREENVILLE, S. C.

Largest Stock of Mill
Supplies in the South

ALSO FULL LINE OF
ELECTRICAL SUPPLIES

SERVICE
THE MOST IMPORTANT THING

We give you what you want—when you want it.

We Pack Carefully and Ship Promptly.

When in Greenville call on us.

Ask For Our Catalogue.



Nurses Home
In the Village of
THE ERLANGER COTTON MILLS CO.,
Lexington, N. C.

Cloth used in B. V. D. Underwear is made by employees living in this village.

We furnish plans and supervision for the permanent construction of Buildings, Street Work, Sidewalks, Sewerage, Water Supply and Electric Lighting for Industrial Villages.



J · E · SIRRINE
E N G I N E E R
GREENVILLE · SOUTH · CAROLINA

The Best Recommendation a Man Can Have is What His Clients Say About Him

J. E. SIRRINE
MILL ENGINEER AND ARCHITECT
GREENVILLE, S. C.

Southern Textile Bulletin,
Charlotte, N. C.

April 21, 1919.

Gentlemen:

Referring to your favor of the 18th in reference to work done by Mr. Henry Hackney, would state that Mr. Hackney has done some mill village work for us which we have found very satisfactory. He has handled our work in a very business like way and in a thoroughly workman-like manner. A job that he is now completing for one of our clients is undoubtedly one of the best jobs of mill village plumbing we have seen, and the work has been handled in a very economical manner, the cost of the work being less than estimated.

We take pleasure in recommending Mr. Hackney to anyone on the lookout for a thoroughly competent plumbing organization.

Truly yours,

J. E. SIRRINE

PLEASE ADDRESS ALL COMMUNICATIONS TO J. E. SIRRINE

CHARLOTTE KNITTING COMPANY
MANUFACTURERS OF
FINE HOSIERY

CHARLOTTE, N. C. Dec. 28, 1918.

Charlotte Daily Observer,
Charlotte, N. C.

Dear Sirs:-

Mr. Henry Hackney has done considerable steam pipe fitting for us and he installed our factory heating plant. All this work has been entirely satisfactory.

We have asked for plain substantial work at rock-bottom prices, so these jobs may not show so much gold plate trimming, but the jobs are sound and no mill has a better heating plant than ours as proved by the severe test of last winter. We have found Mr. Hackney to be a thoroughly reliable man.

Very truly yours,

CHARLOTTE KNITTING COMPANY.

Alfred President.

GLENN-LONEY MANUFACTURING CO.
COTTON GOODS
WHITWIRE, SOUTH CAROLINA
April 19, 1919

Southern Textile Bulletin,
Charlotte, North Carolina.

Gentlemen:

Your inquiry of April 18th. We are pleased to have opportunity to speak a word of commendation in behalf of Henry Hackney, Charlotte, N. C., whom we regard capable, efficient, thorough, trustworthy, and who conducts one of the most reliable plumbing houses in the Carolinas.

During the past two years we have had our plant and village houses, nearly per cent of it Hackney installation, and his work has in every instance, proven highly satisfactory.

In the new addition to our Y. M. C. A. building, now in the course of construction, additional equipment consisting of tube, showers, lavatories, toilets and heating will be installed. Mr. Hackney has the contract.

Very truly yours,
E. E. Chel
President & Treasurer

Cannon Manufacturing Company
Spinners, Manufacturers, Finishers
Largest Manufacturers of Towels in the World
Kannapolis, N. C.
April 19, 1919.

Southern Textile Bulletin,
Mr. David Clark Managing Editor,
Charlotte, N. C.

Dear Sir:

Replying to your favor of the 18th, beg to advise Mr. Henry Hackney of Charlotte, N. C., has and is at the present time doing a large amount of plumbing and steam heating work for us, and his work has been very satisfactory.

Very truly yours,

CANNON MFG. COMPANY.
W. L. Cannon President.

Mill
Plumbing

HENRY HACKNEY

Heating
Contractor

CHARLOTTE, N. C.

See My EXHIBIT at Greenville Show, spaces 82, 83 and 84

Gallivan Building Co.

GENERAL CONTRACTORS

HOME OFFICE

Gallivan Building - - - - - Greenville, S. C.

OUR MOTTO:

“Speed with Economy”

Cotton Mills

Industrial Buildings

Schools, Sewerage Systems, Municipal

Work and Water Power

Developments

GOVERNMENT CONTRACTORS FOR

Camp Sevier - - - Greenville, S. C.

Fort Moultrie - - - Charleston, S. C.

REFERENCES FURNISHED

Cooper & Griffin

(INCORPORATED)



Cotton Merchants and Brokers



Greenville, S. C. Greenwood, S. C.
Spartanburg, S. C.
Charlotte, North Carolina



Telegraph Codes: Sheppersons and Meyers

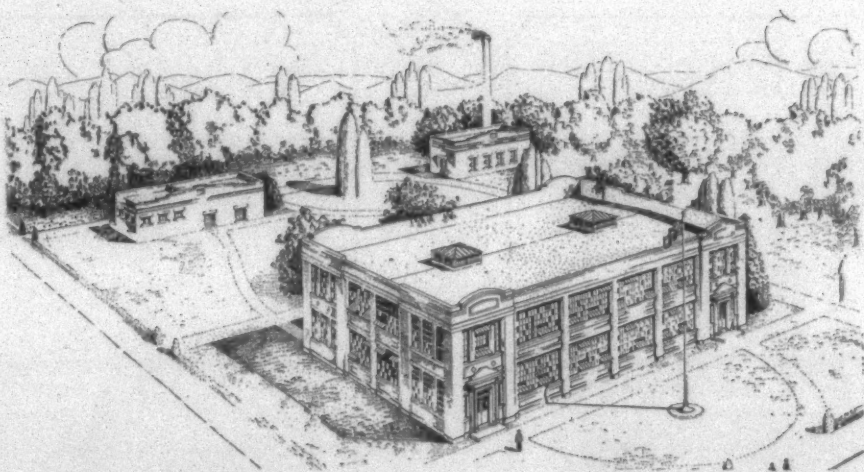
Fisk-Carter Construction Company

BUILDERS

Greenville, S. C.

Worcester, Mass.

Spartanburg, S. C.



Model Mill of the Textile Industrial Institute

"The Finest Cotton Mill in the World"

NOW UNDER CONSTRUCTION AT SPARTANBURG, S. C.

We Were Selected to Build This Plant

We were also selected to build the large
Exposition Building at Greenville, S. C.
for Southern Textile Exposition, Inc.

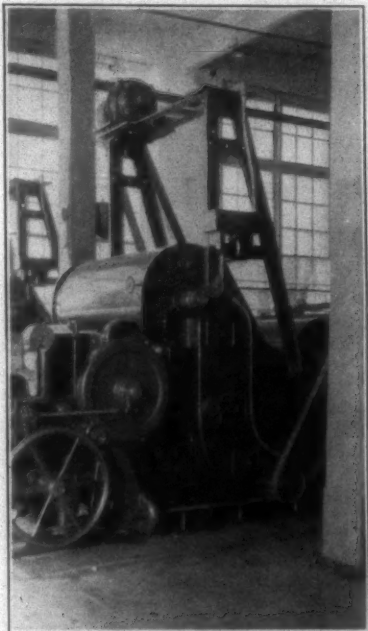
Huntington & Guerry, Inc.

"TROUBLE-PROOF"

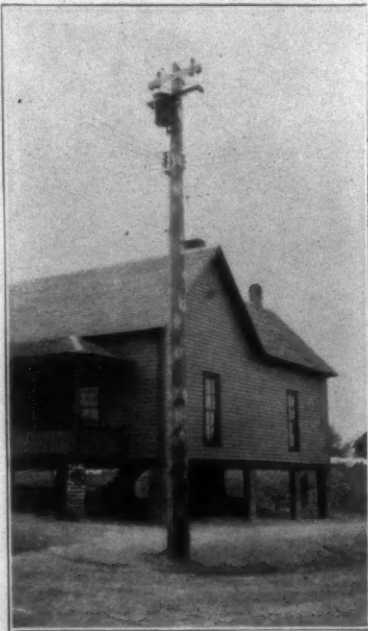
ELECTRIC INSTALLATIONS

For TEXTILE MILLS

Mill Power



Village Lighting



YOU ARE INVITED TO MEET US IN SPACES 264, 265, 266, 267

THIRD SOUTHERN TEXTILE EXPOSITION

MAY 5th to 10th, 1919



Greenville

South Carolina

Buy Belting on Performance

MANY THINGS besides good goods are involved in this world-wide belting business.

One of the most important is a Training School, in which our people learn the fundamentals of belt engineering. Here they are given a clear understanding of the things which our own products are and are not intended to do. They are taught the proper application of every type of belting, and their instructions are that their recommendations to buyers must be in accordance with correct engineering principles.

Leviathan and Anaconda belts, *guaranteed against stretch*, can therefore be applied with confidence wherever we recommend them; and if, knowing your conditions, we cannot recommend them, we can and will tell you just what you ought to use instead.

Thus we are glad to assist you to make your belt buying more nearly scientific, by taking it out of the narrow field of material and putting it on a basis of Performance.



MAIN BELTING COMPANY, PHILADELPHIA

NEW YORK BOSTON CHICAGO PITTSBURGH ATLANTA SAN FRANCISCO

Birmingham, England Paris, France Bulle, Switzerland Kristiana, Norway
Johannesburg, South Africa Petrograd, Russia Havana, Cuba

MAIN BELTING CO. OF CANADA, LTD., Montreal, Toronto



ALLEN KIERS

The Ideal Kiers

Every workable improvement developed during our twenty-five years of kier building is incorporated in the "Allen Worcester."

With "Allen Worcester" Kiers you are always sure of perfect bleach. The improved pump produces a rapid even circulation. No steam can get into the kier; therefore the strength of the liquor is uniform throughout the boil. Tendered goods are impossible.

A great saving in labor, fuel, chemicals and water is also effected

Sizes vary from 6 feet diam. 6 feet high to a 5-ton Kier which is 9 ft diam. 11 ft. 6 in. high on straight. All sizes carried in stock for immediate shipment.

This circulation system can be installed on Kiers of other types. If you will try this system for thirty days on one of your kiers and you do not find it entirely satisfactory and the most economical and efficient system you ever used we will take it off and replace original system and it will not cost you a cent for demonstration.

Write for further details

Wm. Allen Sons Company, Props.

Worcester Boiler Works

Worcester

Massachusetts

JOHN M. GEER, President
AUG. W. SMITH, Vice-President

CHESTER M. GOODYEAR, Treasurer
LEE C. HARRIS, Secretary

The Chester M. Goodyear Company

Manufacturers and Dealers in all Grades of

Cotton Mill Waste

Greenville, South Carolina

We produce unequalled Grades of even running stock especially for the Mattress Trade and for respinning purposes,

Our contracts with Mills are for shipment of all grades of waste to one destination, *i. e.* GREENVILLE, S. C.

Reconditioned Stock for Export.

Try Our "Cres" and "Wilos" Grades

Equipment Modern---up to the minute.

Transactions characterized by Courtesy, Promptness
and Efficiency.

Correspondence Solicited

CHARLOTTE SUPPLY CO.

CHARLOTTE, S. C.

General Mill Supplies

DISTRIBUTORS

THE PHILIP CAREY COMPANY PRODUCTS

Roofings
Shingles (composition)
Wallboard
Paints for Felt and Metal Roofs
Asbestos Covering and
Cement

Estimates for Roofing Applied and Steam Pipe and
Boiler Insulation Furnished and Work
Promptly Executed

Andrews Loom-Reed and Harness Works

SPARTANBURG, S. C.

Manufacturers of

Loom-Reeds Loom-Harness Slasher Combs

Acme Loom-Harness
and Reed Company

Greenville, S. C.

Manufacturers of

Loom-Harness

Loom-Reeds, Etc.

The Loom-Reed and
Harness Co.

Charlotte, N. C.

Manufacturers of

Tempered Carbon
Steel Reeds

Standard Cotton Mill
Reeds

Duck Weaving Reeds.

All Metal Construction

Economy Fuses

As the name implies, these fuses by actual experience and test have proven more economical and satisfactory than any other fuse on the market today.

Cotton Mills and Industrial Plants who put in trial installations of these soon realized their merit and decided to equip the entire plant, thus cutting down the cost of renewals.

Why waste money by throwing away burned out fuses? That is what you do if you are still using the old style! Buy Economy Fuses equipped with the "Drop Out" Renewal Links which cost only a few cents to renew.

Send us your orders for complete fuses or renewals in any size or voltage and prompt shipment will be made from Columbia.

PERRY-MANN ELECTRIC COMPANY,
COLUMBIA, S. C.

WARP TYING MACHINES

HAND KNOTTERS

BARBER-COLMAN COMPANY

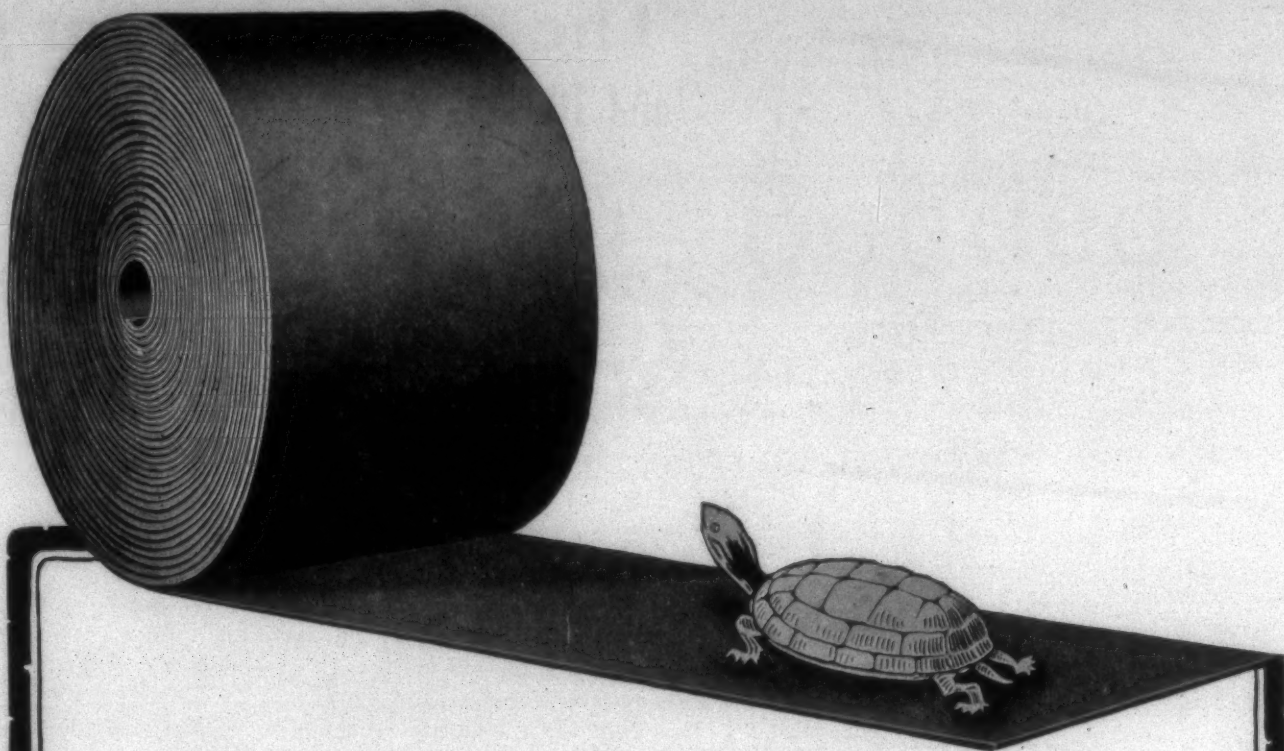
SEE US AT THE EXPOSITION

BOSTON, MASS.



GREENVILLE, S. C.

MAIN OFFICE AND FACTORY
ROCKFORD, ILL.



Expense? *or* Investment?

BELTING bought with the idea of getting the most belt for the least money, is an expense—and an increasing one.

BELTING bought with a view to securing the most belting service per dollar expended—the lowest cost per horse-power transmitted per year—is an investment—and a continuously profitable one.

You are sure of high dividends on your investment in "TURTLE" the original waterproof leather belt.

EDW. R. LADEW CO., INC.
GLEN COVE, NEW YORK, U.S.A.

Branches and Distributors in
all principal cities of the world
carry complete stocks. See your
phone book for local address.

LADEW
"TURTLE"

Waterproof Oilproof Timeproof

AP-26

The Government's and 100% American Manufacturer's O. K.

WAR DEPARTMENT
UNITED STATES ENGINEER OFFICE
DAN DO PLUMMER RIVER
RAVENSWOOD, W. VA.

March 5, 1918.

From: The Assistant in Charge, Dan No. 22, O. R.
To: The District Engineer Officer, Wheeling, W. Va.
Subject: Grates

In answer to your letter of January 3, 1918, in reference to grates made by the Thomas Grate Bar Co., Birmingham, Ala., the rigid type has never been used on this work but there is one set of the shoving type on the Str. Gen. Craighill which has proven very satisfactory in fuel saving. The saving in fuel has been 21% and with the present rate of coal making a saving of about \$4.50 per month. The cost of the set is \$108.35, at this rate (it takes practically 63 days to pay for a set of grate bars).

H. P. Phel
Junior Engineer.

WILLIAM H. CURTIS
314 Lennox Bldg.
Office of Building

Cleveland, Ohio, January 6th, 1919.

Mr. Harrison C. Frost,
Factory Office, Ideal Tire & Rubber Co.,
Warner Road.

Dear Sir -

Referring to your favor of Dec. 11st, also to our phone conversation of January 3rd, regarding the installation of Thomas Grate Bars in our Power plant.

We had these Grates installed the early part of Oct. and must say they have more than exceeded our expectations, proving much easier to handle, also great coal and labor savings. We feel quite certain that our saving of coal for the entire heating season will exceed 50%.

If you will call at our Power plant our Chief Engineer will gladly show you what they are doing for us.

We tore out the Stokers and replaced them with the Thomas Grate Bars and must say they are "Great".

We are quite sure that you would be equally as well pleased. Will be glad to give you any further information you may desire.

Very truly yours,
W. H. Curtis
Manager
Lennox Building.

APALACHIAN MILLS
Knoxville, Tennessee Sept. 11, 1918.

Thomas Grate Bar Co.
Birmingham, Ala.

Attention of Mr. Chapman.

Dear Sir -

Last fall we installed a set of your grate bars under one of our 150 H.P. horizontal tubular boilers and made the grate surface 6 inches shorter according to your recommendation.

At that time on the old herringbone bars we were evaporating 1-1/2 lbs. water per lb. of coal. With the Thomas grate I am evaporating 9.4 lbs. of water per lb. of coal and have made as high as 6.7 lbs. with coal running 27% ash. My present coal is 6.4% ash.

Not considering the money saved, it seems to me that any 100% American manufacturer with out-of-date equipment in his plant would be glad to consider this 27% saving of fuel from a patriotic standpoint during the present shortage in fuel.

You may refer any doubtful ones to me.

Yours Truly
Mark McWilliam
Master Mechanic
Appalachian Mills

"—it takes practically 63 days to pay for a set of Grate Bars"

50% SAVING OVER STOKERS

25% INCREASED EVAPORATION

The 20th Century Engineers, in selecting equipment make their decision on the basis of: first—dependability; second—efficiency; third—economy. The order of naming these is significant.

That their selection in this case has been a good one is amply shown by the results. We believe their findings offer the most dependable kind of evidence of the superiority of

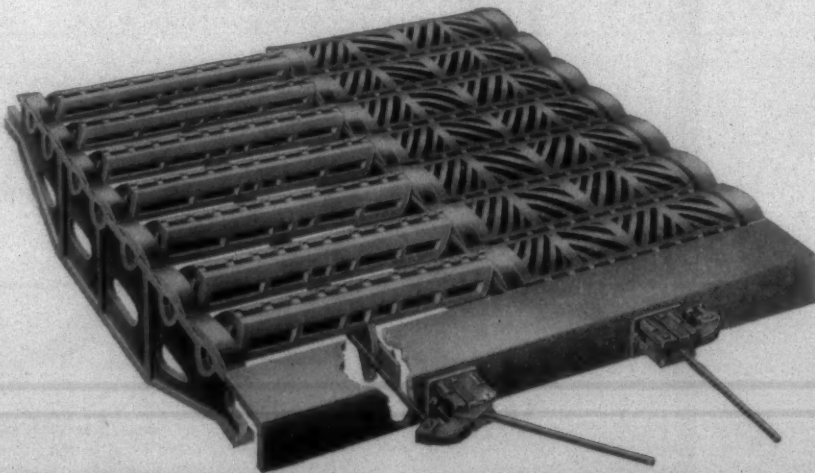
Thomas **WSD** Grate Bar

The above letters lay special emphasis on the amount of fuel saved, which is only one advantage—though a very important one—resulting from the use of these grates.

We will gladly tell you about the other advantages and explain the reasons behind them—the elliptic shape of the bars, their eccentric motion, etc.

But the FIRST step is YOUR letter; it will receive our prompt attention.

Thomas Grate Bar Co.
BIRMINGHAM, ALABAMA



Thomas Wiggling—Shaking—Dumping Grate Bar

W. C. Cleveland, Pres.

W. H. Ambler, Manager

Piedmont Bonded Warehouse and Compress Co.

GREENVILLE, S. C.

Capacity 60,000 Bales

Full Sprinkler System

**Concentration and reshipment privilege
from entire cotton belt.**

Storage and Consignments Solicited



WHITE THE YEAR 'ROUND

DEGRACO PRODUCTS

Superior Graphite Paint
A metal protective coating.
Degraco House Paint and Varnish
Sta-White
The pure white oil paint for industrial interiors.
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An interior flat wall finish.
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A damp-proof coating.
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Acid Resisting Paints
Machinery Enamels
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Iron Filler
Wood Preservative
Pipe Joint Cement
Boiler Graphite
Lubricating Graphite

Special Paints for Special Purposes

Keep your plant as white as the mountain peak.

Brighten up your workrooms with Sta-White, and make sure they will stay white throughout the year—and year after year.

Sta-White—the pure white oil paint—applied on walls and ceilings, acts as one great reflector that improves to a wonderful degree the lighting conditions throughout the entire plant.

Sta-White is recognized as a leader in the field of mill whites because of its many sterling features proven in service.

Extreme ease of application
Large covering capacity
Purity of tone
Freedom from discoloration
Durability and low ultimate cost.

Sta-White has won out in tests.

DETROIT GRAPHITE CO.

Makers of

Paints in all Colors for all Purposes
108 12th Street DETROIT, U. S. A.



"EVERY DAY A *GOOD* DAY"

In nearly two hundred of America's finest Textile Mills Carrier Humidifying and Conditioning Equipment is making "Every day a *GOOD* day" in production and in labor efficiency.

Bulletin 103-F tells the whole story. It's yours for the asking.

Write Right Now.



39 Cortlandt Street
New York, N. Y.

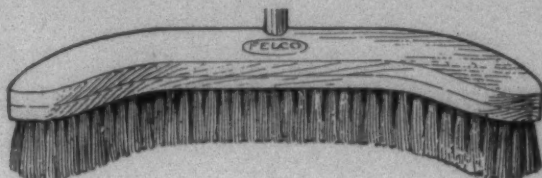
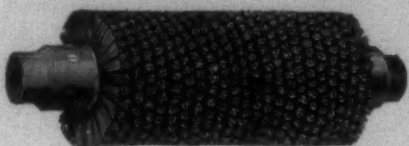
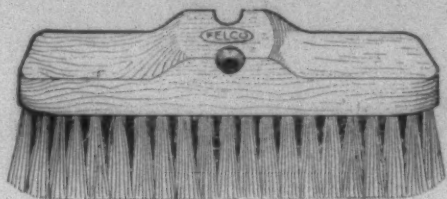
Carrier
Engineering Corporation

Boston
Buffalo



Chicago, Ill.
Philadelphia

FELTON OF MANCHESTER



Quality Brushes

Mills that recognize quality in brushes—brushes that are made from the best materials and by the most expert workmen—brushes that are made to stand the use and abuse of long and severe service—are demanding

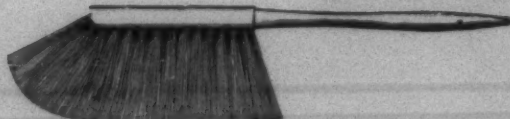
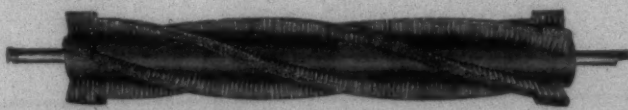
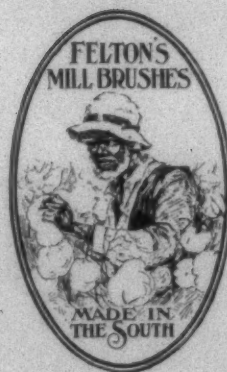
FELTON Mill Brushes

There's a Felton Brush for every use in the mill at the lowest price consistent with the high standard of quality.

We have special departments for brush repair work, and your broken or worn out brushes will be repaired carefully and promptly.

S. A. Felton & Son Co.
Manchester, N. H.

D. D. Felton Brush Co.
Atlanta, Ga.



FELTON OF ATLANTA

Saco-Lowell Card Stripper

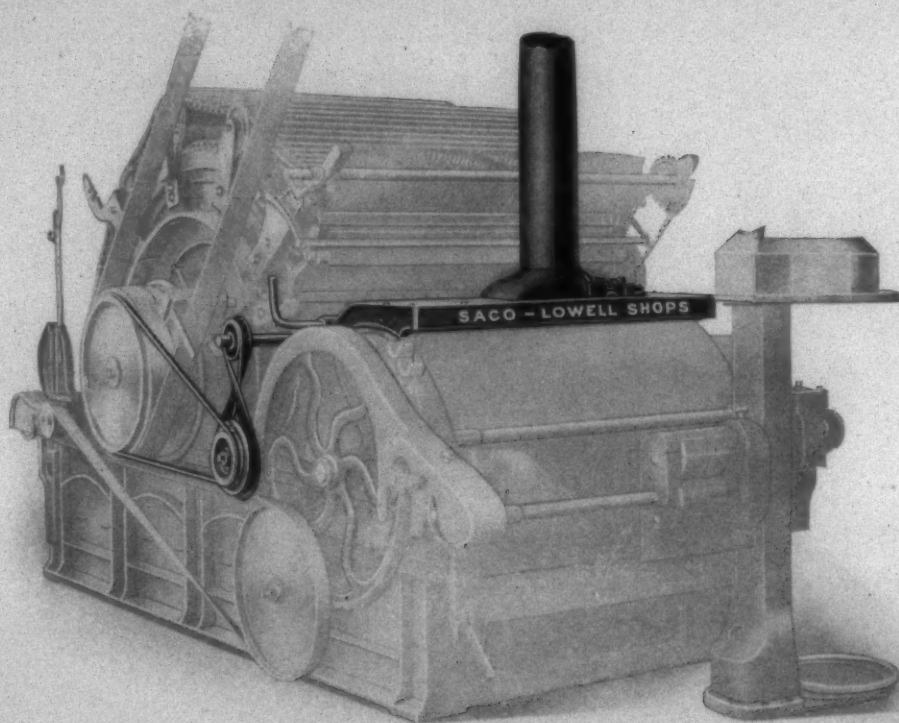
DUSTLESS AND AUTOMATIC

Leaves Strippings In Excellent Condition

**Economical
to
Operate**

**Saves Time
and
Labor**

**Strips
Cards
Clean**



**Low Cost
of
Maintenance**

**Sanitary
and
Efficient**

**Uninterrupted
Production**

CARD WITH STRIPPER APPLIED

Simple

Practical

Durable

Full Information Furnished By

SACO-LOWELL SHOPS

NEWTON UPPER FALLS, MASS.

or

Rogers W. Davis, Southern Agent, Charlotte, N. C.

Branch Office, Greenville, S. C.

Hunter Manufacturing & Commission Co.

58-60 Worth Street

New York City

World Wide Distributors of Cotton Fabrics

"We Reach All Allied Nations and Neutrals"

Selling Agents For

SOUTHERN COTTON MILLS

Fabrics for Home and Export

Sheetings
Print Cloths
Drills
Ducks
Osnaburgs
Coutils
Piques
Gabardines

Fine Combed Fancies
Outing Flannels
Mottled Flannels
Ginghams
Plaids
Shirtings
Cheviots
Chambrays

Cotton and Silk Mixtures
Tickings
Cottonades
Bedspreads
Turkish and Huck Towels
Crashes
Sheets and Pillow Cases
Diaper Cloths

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Valparaiso, Chile
San Juan, Porto Rico

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Mexico City, Mexico

Caracas, Venezuela
Havana, Cuba
Barranquilla, Colombia

SOUTHERN TEXTILE BULLETIN

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VOLUME XVII.

CHARLOTTE, N. C., THURSDAY, MAY 8, 1919

NUMBER 10

Seen At the Textile Exposition

McNaughton Mfg. Co.

A full set of the popular McNaughton Shake-EZ Grates were shown by the McNaughton Mfg. Co., of Maryville, Tenn. These grates have been installed under the boilers of a large number of Southern cotton mills because of their coal-saving qualities. They have been noted for the remarkable number of repeat orders that have come from mills that at first equipped only one boiler and there could hardly be a better sign of quality and efficiency. H. E. Jackson and C. P. Bassett were in charge.

Keever Starch Company.

One of the most attractive electric signs in the Exposition as well as one of the most beautifully arranged booths was that of the Keever Starch Company of Columbus, Ohio. They showed in jars and globes samples of their well known line of starches. James H. Maxwell, Southern representative was in charge, assisted by Jack Her. C. J. Kurtz of Columbus, Ohio, was also present.

Edison Lamp Works.

The Edison Lamp Works exhibited their regular line of mill lights, featuring their Madza C 2 daylight lamp. A. F. Lively of Atlanta, Ga. Southern Electric Supply Company.

The Southern Electric Supply Company of Atlanta, Ga., showed Hazard rubber covered, stranded and solid wire both barbed and leaded, Trumbull Circle T line of safety switch boxes, Wagner single phase motors especially adapted for looms, Hubbell steel reflectors, H. T. Pace sockets, schedule material and taplets. D. P. Gurley was in charge, C. D. Boyd of Atlanta, general sales manager, was also present.

The Detroit Steel Products Co.

The Detroit Steel Products Co. exhibited two sashes of their well known Finestia steel construction and also showed photographs of mill buildings that had used their products. J. MacRabb of Greenville, S. C., their Southern representative, was in charge, assisted by A. J. Campbell of Detroit, Mich.

American Scrubbing Equipment Co.

One of the most interesting and practical exhibits was that of the American Scrubbing Equipment Co., of Baltimore, Md. This company has a complete and very efficient five piece set for mechanically scrubbing mill floors. The scrubbing machines are operated by electric motors and their work is remarkable. They effect a great sav-

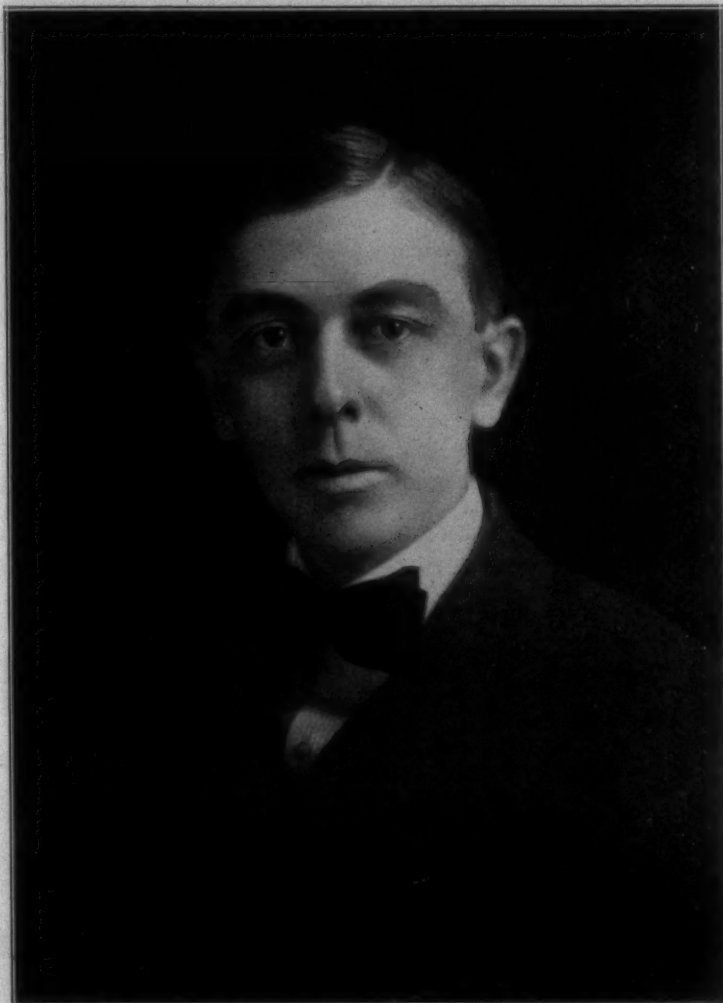
ing as well as insuring cleaner mills. Ruben Finnell and J. W. Ferris were in charge.

Frank Mosberg Company.

The Frank Mosberg Company exhibited their full line of unbreakable beam heads and featured a new loom beam head which had a center of cast iron with a rim of steel. It attracted considerable attention. A. A. Underwood and W. I. Tuttle of Attleboro, Mass., were in charge.

Mountain City Foundry & Machine Works.

The Mountain City Foundry & Machine Works exhibited an excellent line of mill castings and machine works. G. W. Walker and S. W. Reavers were in charge.



ARTHUR M. DIXON, President Southern Textile Association

Detroit Graphite Company.

The Detroit Graphite Company did not have an exhibit at the show, but had a booth in charge of Geo. W. Cureton and Mr. Hext Perry in which they had panels of their paints including their well known Sta-White. They also distributed pamphlets relative to their line.

Toledo Scale Co., Toledo, O.

Mr. O. E. Schupp had charge of a display of Toledo Automatic Springless Scales. The line includes over 150 different styles and sizes of scales ranging in capacity from one pound to sixty tons. A cotton compressed scale, a portable automatic dial scale, a cotton lap scale and others were on exhibition. Mr. Schupp was assisted by C. H. Hap-

good, A. S. Galloway, C. K. Chrietberg, F. D. Baskin, B. R. Swint and A. D. Beckman.

Terrell Machine Company.

The Terrell Machine Company exhibited a new model Utsman Quill Cleaner with positive friction clutch. It attracted considerable attention on account of its construction and efficiency. They also showed a novelty in the way of an electric hedge cutter. E. A. Terrell, president, was in charge of the exhibit, assisted by O. L. Richardson.

Alexander Brothers.

Alexander Brothers exhibited at the Exhibition several rolls of their Dreadnaught waterproof leather belting, several rolls of guaranteed lap, Alexander the Great and some Alexander heavy duty up to 24-inch double. They also showed samples of specialties including strapping, pickers, etc.

G. G. Slaughter, Southeastern sales manager, was in charge of the exhibit and was assisted by R. S. Kennington, of Atlanta, Ga.

Bahan Textile Machinery Co.

The Bahan Textile Machinery Co., of Union, S. C., manufacturers and selling agents for cotton mill specialties, had an exhibit at spaces 40 and 41, where they showed loom equipped with some of their latest patented improvements, which consisted of Corn Rocker and Parallel Bearings, Stone Shuttle Checks and Snow filling stop motions. All of these attachments were upon a loom that was in operation and attracted an unusual amount of attention, because of their efficiency. Wm. H. Bahan, Jr., was in charge.

Brown-St. Onge Co.

The Kleanol Bobbin Stripper exhibited by the Brown-St. Onge Co., attracted considerable attention on account of its simplicity of operation. It will handle 100 bobbins per minute and is guaranteed not to injure them. The Brown-St. Onge Co. also exhibited their well known grid bars for lappers and their pin grid bars which are used for handling bleached or dyed raw stock. A. St. Onge was in charge.

Morse Chain Company.

The Morse Chain Company had spaces at the Greenville Show Nos. 24, 25, 26, and 27 on the ground floor. Their exhibit was composed of a facimile spinning frame drive, a large 100 H-P. drive showing the mechanical operation of the Morse Rocker Joint. They also had a large number of photographs

Urge Cotton Manufacturers to Form International League of Nations

"The year just closing has been one of the most strenuous in the history of our organization," said President W. Frank Shore, in addressing the business session of the National Association of Cotton Manufacturers at the Hotel Biltmore. "Twelve months ago we were in the midst of the world war and every effort had to be made by the textile, as well as other industries, in order to increase production of goods necessary for the successful prosecution of the war. During the months which have elapsed, we have seen the armistice signed and witnessed a general demoralization of business. War contracts were cancelled in wholesale fashion and the general result on our industry was that the market for textiles dropped from the high points of 1918 to—in some cases—half the value. Meantime, manufacturer and merchant awaited developments. So great was the disruption of business that many manufacturers were forced to shut down. With very little reduction in material cost and no reduction in labor and overhead costs, there was no margin of profit in the prices offered—as a matter of fact many offers were considerably below the cost of production. At the present time business seems to have taken a very ap-

preciable turn for the better, and I do not see why we in the cotton industry should not soon be enjoying another period of prosperity."

"The successful agitation by labor for a 48-hour week is also a distinctive feature of the past few months. It is beyond dispute that a shorter working day in the cotton factory reduces production and consequently raises costs; apart from that I have no objection to it. The one great evil from the point of view of the Northern and Eastern manufacturer is that the 48-hour week is not universal, and unless the Southern States adopt the same schedule of hours, then the present schedule in our territory cannot fail to react unfavorably on the textile industry in this section of the United States."

"Quantity production and reduced costs are the two things which will bring the expense of subsistence down to reasonable limits, but the pity is it is so hard to explain this truth to the great mass of people and to convince them of the soundness of the argument."

"W. A. Appleton, the English labor leader and secretary of the General Federation of Trade Unions over there, put the matter very lucidly in an address at Leeds, England, on March 31 last."

"I do not think we have ever read any speech of any labor leader which was so full of hard headed practicality and sound economic thinking. One thing he might have stated in his remarks about the miners, the railway men and the transport workers, was that just to the extent their demands handicapped the other fellow, so must the other fellow in turn make equivalent demands, so that the whole process of higher wage demands must continue in a vicious and ever widening circle."

"In view of what I have already said one big inference we are to draw is that quantity production is the principal compelling factor in the reduction of the cost of living. In turn, one of the principal factors in quantity production can be improved machinery, and in this regard the extent of my digression is that, with a view to encouraging the improvement of machinery, we might find it advisable to establish a patents' department, to which inventors without financial ability, to protect their ideas, could bring their inventions. This difficulty in protecting and profiting by an idea has undoubtedly tended to limit effort in the direction of new invention. The office, including the employment of an expert patents lawyer,

could probably be made self-supporting, and inventors would have guarantees that their invention would not be exploited except under royalties satisfactory to themselves and for the benefit of the industry in general."

"What is our constructive policy for remedying the general evil? We learned many and tremendous lessons during the war period and have learned many more in the months which have elapsed since the armistice was signed; the question is, are we going to profit by them? Are we going to formulate broad and liberal industrial policies along newer and better lines or is our leadership to consist merely of being driven along in front by the force of the masses behind?"

"A great responsibility, probably a greater responsibility than has ever been borne before, has devolved upon the leaders of thought in every walk of life. How such responsibility is shouldered and how the huge problems of humanity are to be dealt with, are matters of tremendous import in the destiny of the peoples of the world. It is no use drifting, gentlemen; the deepest thinkers and the highest intelligences of the world must lead. If they neglect the opportunity or re-

Continued on page 41

Service Is Giving a Man What He Wants When He Wants It

We can furnish the following articles upon short notice:

CARD CLOTHING AND REEDS

SHAFTING SHUTTLES CANS BRUSHES PULLEYS BOBBINS

HOSE LOOM SUPPLIES HANGERS PACKING CLOTH

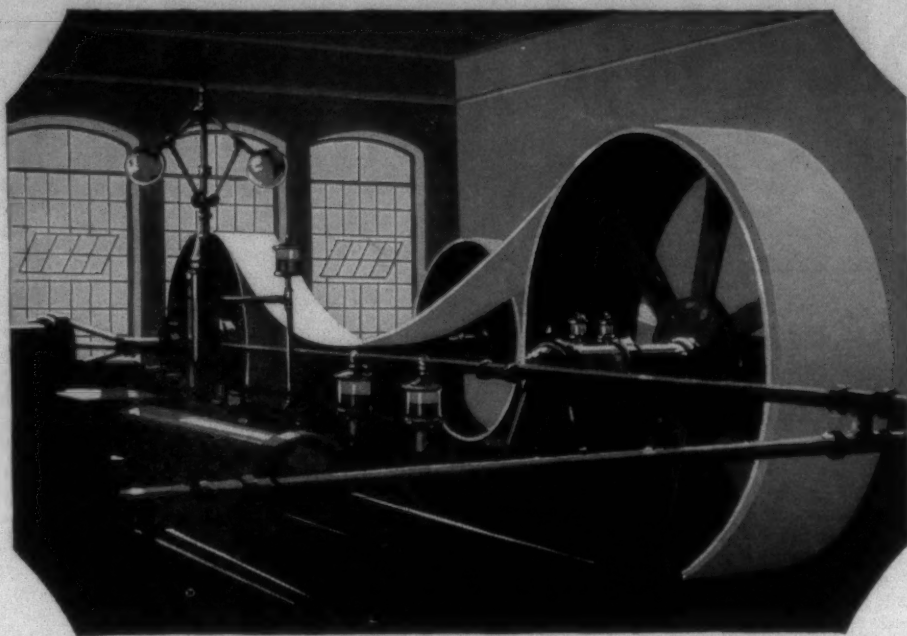
MACHINE SHOP TOOLS COUPLINGS BELTING

SKINS MACHINISTS' FINE TOOLS

ROLL COVERERS TOOLS

The Textile Mill Supply Co.

CHARLOTTE, N. C.



Measures up to all claims

If you select "Monarch" Leather Belting because of its reputation for rendering long service, you will not be disappointed.

It measures up to all claims!

Our statement that "Monarch" is a long-life belt is based on the indisputable tests of actual time and service.

We can meet your requirements.

The Bradford Belting Company
200 Walnut St. Cincinnati, Ohio

"MONARCH"
LEATHER
BELTING

A complete stock of "Monarch"
Leather Belting carried at our
Southern Branch 552-554 Main
Street, Greenville, S. C.



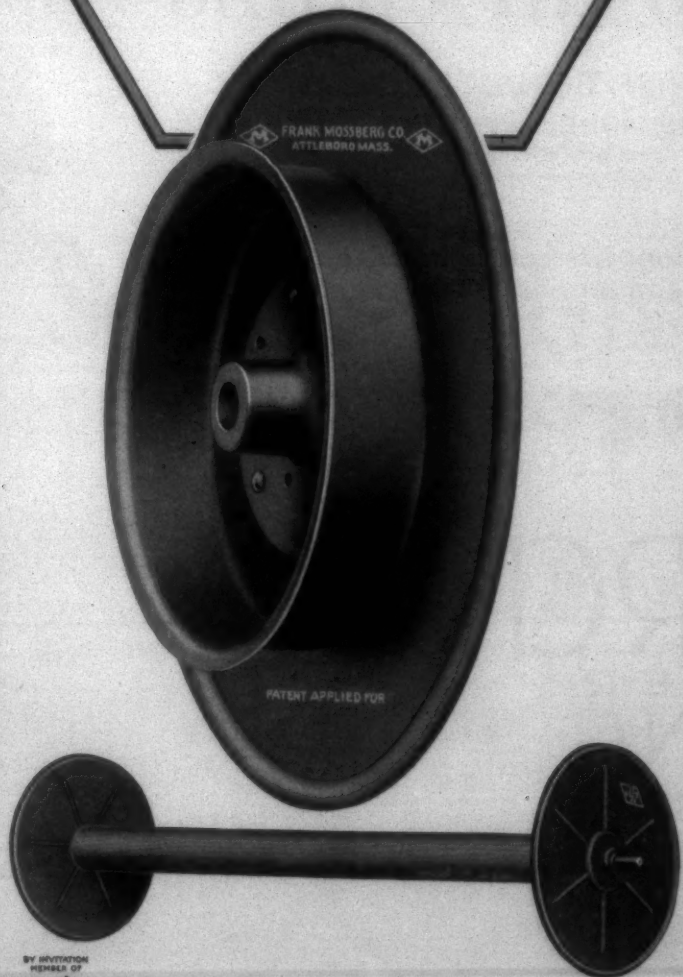
MOSSBERG

STEEL BEAMS AND SPOOLS

Leadership in the manufacture of textile equipment has been gained and maintained through adherence to principles of manufacture which insure to the user of Mossberg products the utmost in value and service.

Today the progressive type of agent and superintendent are enthusiastic over the developments of Mossberg Standardized Steel Textile Products. They have entirely eliminated the big overhead of eternally breaking beams and beam heads, and money spent for the steel constructed types may be charged to assets instead of liability. A working guarantee applied to beams, beam heads and spools is the kind of a guarantee the Frank Mossberg Co. offers you on all Mossberg Pressed Steel Textile Products.

Send for catalog and full particulars, with special specifications if you so desire.



FRANK MOSSBERG CO.
ATTLEBORO, MASS., U.S.A.



showing actual installations, together with various samples of the Morse Chain product.

A very interesting feature of this exhibit, and something entirely new, was the "Corley Spinning Frame Drive." This drive, which was invented by Clifton Corley, manager of the Necronset Mills, Cumberland, N. C., has the motor entirely underneath the spinning frame and a chain connects the outer end of the motor shaft with the cylinder shaft. It makes a very efficient drive and greatly reduces the space required.

They also showed in different parts of the building, Morse Chains driving various kinds of machinery.

Geo. W. Pritchett, manager of the Morse Chain Company's Greensboro office, and Southern Representative was in charge. During the week of the show, V. D. Morse, A. B. Wray, executive officers of the Morse Chain Company, Ithaca, N. Y., C. L. Saunders, advertising manager, J. S. White and W. W. Bertram were in attendance.

Pratt & Lambert.

Pratt & Lambert, varnish makers, provided for the comfort of their patrons and friends who visited them, but did not attempt other display than circulars and panels finished with their Lyt-All, a white coating especially designed for use in mills and industrial buildings. N. C. Cordon and O. A. Moran were in charge.

Rogers Fibre Company.

The Rogers Fibre Company had an attractive exhibit which was in charge of James L. Nieukirk, manager of the Leatheroid sales division of the Rogers Fibre Company at Philadelphia. Mr. Nieukirk is known all over the South as "Sunny Jim" and those who know him, know this fits his genial disposition and friendliness. The Leatheroid line to be shown included No. 1 seamless roving can with the patented rolled-over fiber top, a can that is distinctively up-to-date, smooth in-

3 mill car of the same pattern except that it is all fiber and protected with hard wood center bands; also combination doffing cars with a stationary box and a loose box with a steel banded platform; these cars made in either all fiber or steel surfaces over fiber. Other "Leatheroid" goods were shown and it was an exhibit representing the very latest construction of cotton mill receptacles and carriers. Mr. Leon B. Rogers, general manager of the Rogers Fibre Co., was present and assisted Mr. Nieukirk in pointing out the superior qualities of the "Leatheroid" line.

Southern Textile Bulletin.

The Southern Textile Bulletin had space No. 207, near the front of the second floor, it being the same space as at the last Exposition. David Clark, managing editor; B. A. Lowrance, associate editor; J. M. Williams, traveling representative, and Paul Palmer and Jeff Palmer of the advertising force were present to meet our friends.

American Cast Iron Pipe Company.

The exhibit of the American Cast Iron Pipe Company consisted of Cast Iron Columns and Water Pipe. There was an attractive exhibit of photographs of cotton mills built with Acipco Columns showing their neatness and the small space occupied by them. There was also on display their 2-inch Cast Iron Screwed Joint Pipe which has the additional feature of a leaded joint to provide for deflection and expansion in the pipe line when laid underground.

Exhibit was in charge of E. N. Mattson.

R. D. Cole Manufacturing Company

The R. D. Cole Manufacturing Company, Newnan, Ga., had photographs of the various products of their manufacture, and also of the different departments of their plant with literature and descriptive folders for distribution. Since they manufacture boilers, elevated towers and tanks and kindred products, it was impossible for them to display the materials themselves, therefore, they had to resort to blue prints and photographs.

Judson Mills.

The Judson Mills of Greenville, S. C., engaged two sections, Nos. 540 and 541, and exhibited representative samples of the many different patterns of cloth, which they are making. The exhibit was similar to the one which received so much favorable comment at the last exposition. They had young ladies from their mill present at the exposition wearing dresses woven at the Judson Mill.

Jenkins Bros.

Jenkins Brothers exhibited at the Southern Textile Exposition, samples of the principal valves, suitable for use in cotton mills and other textile plants. These include valves in brass and iron, standard and extra heavy patterns, suitable for high or low pressures, and in steam, water or other special service. They also exhibited samples of their mechanical rubber goods, including sheet packing, gaskets, pump valves and valve discs. The exhibit was in charge of R. R. Wofford.

(Other exhibit notices will be found elsewhere in this issue.)



"JIM" NIEUKIRK

side and out; No. 2 seamless roving can with polished steel top rim; two styles of mill car, No. 2, known as "Leatheroid" steel clad car, the walls of which are sheet steel closely riveted to hard fiber, corners reinforced, steel over wood top rim, metal bottom band, self-oiling wheels; No.

American Dyestuffs In 1919

THIS COMPANY was founded to provide America with a permanent dyestuff industry. Its predecessors were the pioneers in American color production. The war brought not only the opportunity but the necessity for the development of this accumulated experience. Upon this experience has been built a structure, in personnel and in equipment not bettered by any European works.

The obligation resting upon us during the war was to produce quantity. The emergency needs of the Government and of the textile industry demanded first attention. The building of our immense plants had to go on hand in hand. Today we are producing some 60 intermediate products and over 160 different colors. Type for type these products are as fine in quality as any ever imported.

Out of our Research Department must come the future progress of the Company. Its past years of steady upbuilding and devoted service will become evident as better and newer types advance into the semi-manufacturing, and ultimately to the full manufacturing scale of production. Several very important types to be available in 1919 have already been announced. We know the needs of the country by reason of years of service which our selling units have devoted to the textile industry, and the research which we undertake is dictated in the interest of the textile user.

Primarily and logically, the American coal-tar industry is a servant of the great American textile manufacturers, whose annual product runs into the hundreds of millions. It is the need of the great army of textile consumers that we serve. It is the voice of the textile manufacturer to whom we listen. It is because the great American investment in textile manufacture must be insured against loss for all time, that an American dyestuff industry has been born to serve the Government with explosives for war, and with colors for textiles and allied industries in both peace and war.

National Aniline & Chemical Co.

INCORPORATED

Main Sales Office: 21 Burling Slip, New York

Machinery On the Ceiling Would Double Production



Humidifiers Are Equal to Using The Ceiling For Production

You place your machinery on the floors of your mill, mostly in response to the application of the laws of gravity.

But if someone would design textile machinery to operate successfully on your ceiling—and you could get operatives that had the faculty of working and walking upside down—this additional equipment would have some effect on your production.

Wouldn't it?

And also on your profits?

Turbo and Cramer humidifying equipment—scientifically designed for your specific manufacturing problems are the equivalent of just this.

They are just as if you used the ceilings of your plant for additional machinery.

Only.

The operatives still stay on the floor.

Machinery on the ceiling would present quite a problem.

Humidifiers near the ceiling—out of the way—solve problems.

Don't think—just because you have a humidifying equipment—you have gotten all there is out of it. Installations of humidifiers—are engineering problems. We have made much and exhaustive study of the subject—have learned much during the past few years particularly.

If you have not had the benefit of our data as applied to your problems there is something more in humidifiers for you. Even if you have humidifiers, now.

One of our customers installed Cramer humidifiers (he was already equipped as he thought) and saved \$28,000.00 the first year. The humidifiers cost him less than that amount.

Our engineers can determine accurately.

Parks-Cramer Company

Fitchburg

Boston

Charlotte

When You Buy DOUGLAS TEXTILE STARCHES

**you buy more than a starch—
you buy a starch service as well**

DOUGLAS knows that maximum starch efficiency cannot be obtained without a starch suited to your particular requirements.

So today Douglas offers all users of Textile Starches a special made-to-order service.

If among the Douglas standard grades there is none that fills your requirements, our starch experts are placed at your disposal. They will confer with you in working out a formula that meets your exact needs.

Douglas Textile Starches are today the recognized standard. They are chemically pure. No gelatinized particles, crustings or foreign substances. They possess unusual strength, and run absolutely uniform. More economical in use.

Douglas Textile Starches

Douglas Crown Brand
Douglas Lion Brand
Douglas Atlas Brand
Douglas Hercules Brand
Douglas Warp Sizing

Write Us Today For Price List And Full Particulars

DOUGLAS COMPANY

MANUFACTURERS OF CORN PRODUCTS

General Offices, CEDAR RAPIDS, Iowa

NEW YORK, 15 Park Row. PHILADELPHIA, 10 Chestnut St. BOSTON, 50 Congress Street. DETROIT, David Whitney Building CHICAGO, 363 West Ontario Street. SOUTHERN OFFICE, Ira L. Griffin, Manager, 409-11 Masonic Temple, Greenville, S. C.

Seen At the Textile Exposition.**Huntington & Guerry.**

Huntington & Guerry, Greenville, had an exhibit at the Third Southern Textile Exposition in spaces Nos. 264, 265, 266 and 267, which displayed the most recent advancements and ideas in economical installations of electrical power and lighting equipment in textile mills.

Mr. Guerry and Mr. Huntington were in attendance and visitors were made comfortable in their space.

Revolvator Company.

Revolvator Company showed several Revolvators, exhibiting both the revolving and non-revolving types. Exhibit was in charge of one of the company's representatives.

Link Belt Company.

The Link Belt Company were allotted spaces 203, 204 and 205 and showed a typical silent chain installation in connection with a standard spinning frame and also had another moving display, a form of apparatus which shows clearly the operation of silent chain on properly cut sprockets. They also displayed samples of silent chain.

Those in attendance during the week of the exposition were Mr. J. S. Cothran of Charlotte, N. C., Southern representative; Mr. G. H. Burkholder, Mr. C. B. Morish and C. R. Weiss, engineer drive chain department of Philadelphia manufacturing works.

Monroe Calculating Machine Company.

The Monroe Calculating Machine Company's exhibit this year was in charge of Mr. C. E. Dechant, who is their district manager for the

states of North and South Carolina. He had as his assistant, during the exposition, Mr. F. E. Gray, who is the local manager for the state of South Carolina, with headquarters at 301 Temple Building, Greenville, S. C.

A demonstration of the Monroe machine is an education, as there is no figure work known to pencil and pad that this little "figure wizard" cannot handle with surprising speed and absolute accuracy. Whether your problem is one in addition, subtraction, multiplication, division, or their several combination, the result can be reached through an easy mechanical process with no mental effort.

The Veeder Manufacturing Company.

The Veeder Manufacturing Company, of Hartford, Conn., well known manufacturers of counters, had a number of their machines in operation at that exhibit. Some of the company's products are cyclometers, speed counters and fine die castings. W. C. Waldo was in charge of the exhibit.

The Wilson Company.

The Wilson Company had a very attractive exhibit, which was mostly blooms, leather belting, roving cans, perforated metal, packing, etc. They had two booths, Nos. 315 and 316, and their friends were invited to make this space their headquarters at such times as they might find it convenient—during the life of the Exposition.

The Wilson Company are Southern agents for the Keystone Fibre Co., Yorklyn, Del.; the Moloney Belt Company, of Chicago, Ill., also

agents for the Florida Broom Factory, Jacksonville, Fla., for the National Steam Specialty Co., of Chicago, Ill., also handle the goods manufactured by the Hickory Handle & Manufacturing Co., of Conover, N. C.

Douglas Company.

Mr. Ira L. Griffin, manager of Southern textile office of Douglas Company, which is located at Greenville, S. C., assisted by Southern sales representatives, Messrs. J. Frank Crawford and Guy L. Morrison, were in charge of exhibit at the Third Southern Textile Exposition.

The exhibit consisted of samples of the various products manufactured both for textile uses as well as other purposes. An extensive display was prepared of warps and cloths sized with Douglas Textile Starches. There were also shown other products in the manufacture of which Douglas Starches have been used.

The Douglas representatives were very glad to furnish information with reference to the use of corn starches for sizing purposes, thereby making the exhibit of benefit as well as of interest.

C. J. Tagliabue Company.

The C. J. Tagliabue Manufacturing Company, Brooklyn, N. Y., had an interesting exhibit occupying space Nos. 230-233 inclusive.

Their exhibited included the well known line of "Tag" Self-Operating Temperature Controllers for automatically regulating the steam inlet valves to size boxes, dye kettles, etc., also a device for automatically controlling both the time and temperature elements of various im-

portant textile processes; indicating thermometers, etc.

The "Tag" exhibit was in charge of V. Wichum, chief engineer of the C. J. Tagliabue Manufacturing Company. Mr. Wichum has been associated with this company for many years and previous to his present incumbency, had charge of the Boston branch. He is well known among the numerous New England textile mills, having specialized to a large extent on this industry. He was ably assisted by E. J. Dooling, another Tagliabue temperature engineer of broad experience.

Hudson & Kohn Company.

Hudson & Kohn Company, cotton merchants of Greenville, exhibited at the Southern Textile Exposition finished cotton goods, representing principally those manufactured in and around Greenville.

David Kohn and James E. Sanders were in charge.

William Firth.

William Firth's exhibit occupied spaces No. 449-50-51, where they met their friends. They did not show anything there except their new type No. 1 Broomless Floor Sweeper, which sweeps the floor by vacuum, but arranged to give practical working demonstrations of their Dustless Card Stripping and Cleaning System in several mills in Greenville, and kept at their command an automobile to run friends out to the mills for this purpose, which they found to be most satisfactory to them. Milton G. Smith of Greenville, S. C., Southern representative, was in charge. J. J. Smith of Boston, Mass., was also present for several days.

YADKIN FINISHING CO.

YADKIN, N. C.

Postoffice Address: Salisbury, N. C.

H. A. JOLITZ, Superintendent
R. LEE MAHALEY, Treasurer

Mercerizers and Bleachers of Damasks,
Towels, Cambrics, Muslins, Long Cloth
Etc., Finished Widths from 18 to 81 inches

New York Agent, W. T. JORDAN, Jr.

320 Broadway, New York City

How Would You Like to Shut Down a Big 200 H. P. Boiler



Oil City, Pa., has joined the Ranks of the Farnsworth Boosters. The progressive Empire Oil Co. owners were among the hundreds of satisfied Farnsworth machine boosters who saw the saving to be effected by installing the machines recommended by our engineers and as soon as our machines started they were able to SHUT DOWN THEIR BIG BOILER. "Farnsworth Equipped" means that you are securing all the heat units possible from your coal pile, that you are **not** wasting but **SAVING** TONS OF COAL.

The Empire Oil Works, Oil City, Pa., shown in the cut installed the Farnsworth System and closed down one of five 200 h.p. boilers—proof of our guaranteed *coal saving*—a saving of 20% of their coal pile.

"Giving good service—doing everything you claim it would"

Wm. F. TAUBEL

GEO. L. TAUBEL



NEW YORK OFFICE
350 BROADWAY, N.Y.

TAUBEL BROTHERS

**HOSE & PIPING
MANUFACTURERS**



CEDAR AND HUNTINGDON STREETS

PHILADELPHIA, PA. March 8th, 1919.

Farnsworth Co.,

Conshohocken, Pa.

Gentlemen:

In reply to your letter of the 7th in reference to your system for handling condensation in the new addition that we are contemplating building.

We are glad to advise that we have already installed your system in our old building and have an extra system for this particular building on hand. We also are glad to report that your system is giving good service and in fact doing everything you claim it would.

We are not in a position at the present time to state just what amount of coal we have saved since the installation has been made. However, when we get these figures will be glad to report to you.

Very truly yours,

TAUBEL BROTHERS.

17-55W

Write for descriptive literature
FARNSWORTH COMPANY

Engineers and Manufacturers of Condensation Pumps
200 Washington St., CONSHOHOCKEN, Penna.
CANADIAN FAIRBANKS, MORSE CO., Ltd.
Sole Manufacturers and Distributors for Canada

FAIRBANKS, MORSE & CO., Inc.,
Sole Agents and Distributors Pacific Coast

Hundreds of letters endorsing the Farnsworth machines speak of the tremendous coal saving success of the closed system.

Among the many textile mills "Farnsworth Equipped" are:

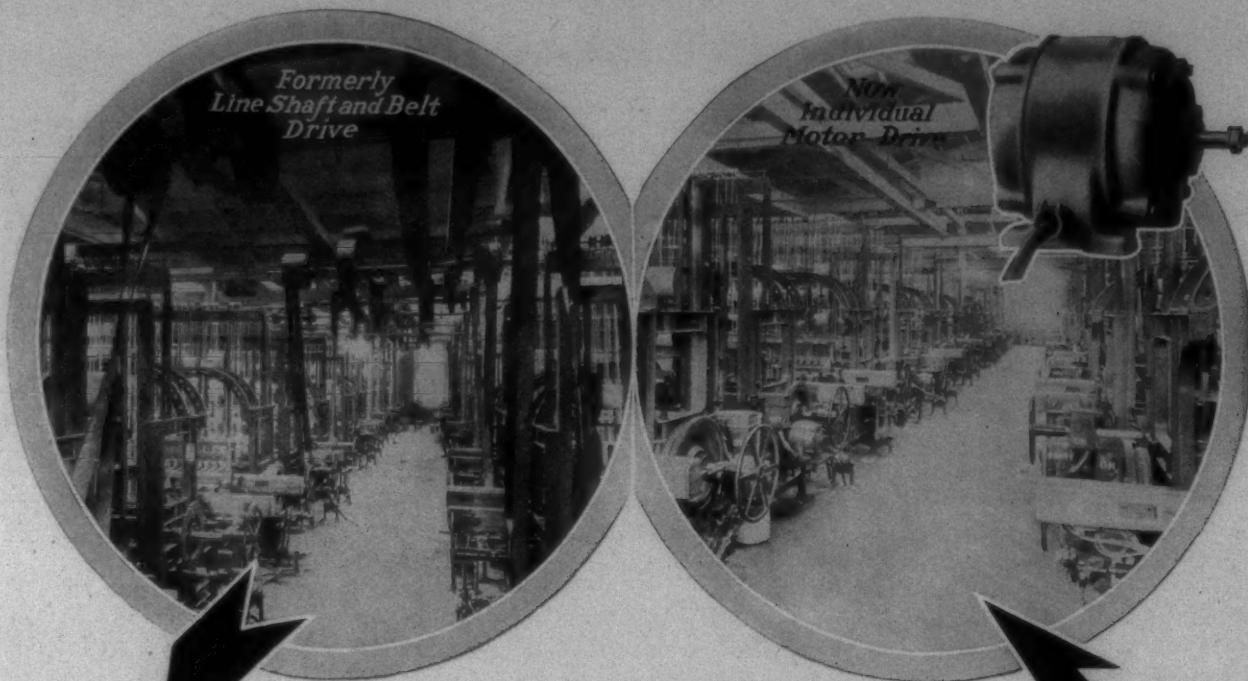
Woodstock Woolen Co., Norristown, Pa.
Victoria Plush Mills, Lenni, Pa.
Norristown Woolen Co., Norristown, Pa.
Henry Scatchard Mfg. Co., Norristown, Pa.
H. C. Jones Co., Conshohocken, Pa.
R. & H. Simon Co., Easton, Pa.
American Woolen Co., Maynard, Mass.
H. B. Lowenstein Co., Warren, Pa.
Exposition Cotton Mills, Atlanta, Ga.

"We have already installed your system in our old building and have an extra system on hand."

That's what Taubel Bros. wrote in the letter which you see reproduced here. It is the experience of big textile mills all over the country. "Farnsworth Equipped" is the common-sense coal saving solution of saving the heat units and the coal pile in the steam plant today.



A Big Paper Mill "Farnsworth Equipped"



John Sidebotham, Inc., of Philadelphia, Pa., has made the complete change to

Individual Motor-Drive

All lineshafting, hangers and belts have been removed, **ADDITIONAL MACHINES INSTALLED**, and all more compactly and more conveniently arranged. Westinghouse Textile Motors were installed on all machines.

**A 24% reduction in the annual power bill with
a 19% increase in production**

HERE ARE THE FIGURES:

	Engine	Individual Motor-drive	= Saving Effectuated	Production Increased
Annual Power Bill	\$7127.	\$5395.	\$1732.	
Annual production per loom	4160	4940		780

NET COST OF THE ELECTRIC INSTALLATION \$15181.00

Westinghouse Textile Engineers are prepared to give you the benefit of a broad experience in the solution of your power and production problems.

Westinghouse Electric & Manufacturing Co.
EAST PITTSBURGH, PA.

FROM MECHANICAL-TO **W** INDIVIDUAL-MOTOR-DRIVE
WESTINGHOUSE
Westinghouse

STRENGTH

Chains Run 15 Years

Silent Chains, identical in the principles of their construction with American High Speed Chain—that is, using the plain case-hardened pin and carbonized link—were installed in the Arlington Mills at Lawrence, Mass. in 1902.

In 1917, at last report, they were still operating, a service of 15 years.

That is one of the many performances on which confidence in American High Speed Chain is built.

American High Speed Chain

Abell-Howe Company

National Distributor CHICAGO

E. S. PLAYER

GREENVILLE, S. C.

Southern Representative





YOU want greater efficiency—better working conditions for your employees—greater production—you want a mill white that does not turn yellow and that lasts for years—in short, you want Pee Gee Factrilite, the Liquid Daylight.

This *100 point Mill White* helps to utilize every ray of light that enters your mill, thereby increasing the working hours by daylight and decreasing the use of artificial light.



For Interior Walls and Ceilings of Mills

Pee Gee Factrilite is made by our own perfected process of especially prepared white pigments and long oil, therefore it will not turn yellow like ordinary paints which contain lead and varnish.

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PEASLEE-GAULBERT COMPANY, Inc.

Paint Grinders—Varnish Makers

Established 1867

LOUISVILLE, KENTUCKY

Seen At The Textile Exposition

A. W. Harris Oil Co.

The A. W. Harris Oil Co. had a very attractively arranged exhibit showing samples of their oils. The exhibit was in charge of W. M. Kendrick.

American Laundry Machinery Co.

The exhibit of the American Laundry Machinery Company showed a washing machine and press especially designed for mill village laundries. The washing machine had a position automatic reverse which operated after every two and a half turns. H. G. Mayer of Charlotte, N. C., was in charge assisted by W. S. Petty of Atlanta, Ga.

National Marking Machine Co.

The National Marking Machine Co. showed machines adapted for mill village laundry work. These consisted of the National booth system of marking, National power or hand marking machines, National Lang counting and list printing machines and metal booths. H. C. Stanley of Cincinnati, O., was in charge, assisted by Geo. Hoebbel.

Puro Sanitary Drinking Fountain Co.

A very interesting exhibit was that of the Puro Sanitary Drinking Fountain Co., of Haydenville, Mass. The feature of their exhibit was a combination cooler and faucet for Y. M. C. A.'s and rest rooms. They also showed their regular cooler with drinking fountain attached and four types of their well known and efficient fountains. G. A. Cooper of Haydenville, Mass., general manager of the Company was present and was assisted by E. S. Player of Greenville, S. C., who is their Southern manager.

Puro Sanitary Drinking Fountain Company.

Lockwood, Greene & Co., of Boston, Mass., and Atlanta, Ga., had a very attractively arranged space showing illustrations and photographs of their construction work including factory buildings.

Dary Ring Traveler Co.

The Dary Ring Traveler Company, of Taunton, Mass., had a very unique exhibit. They had arranged a large design of a traveler and also one of a ring and both were formed of travelers. John E. Humphries and Chas. L. Ashley were both present to meet their many friends.

Peerless Folding Ladder Co.

A very interesting exhibit was made of Handy-Dandy and Carry-Easy Ladders and their efficiency was demonstrated by F. M. de Sausure, Jr., and Harry R. Wilkins.

Monarch Bobbin Cleaner Co.

One of the most interesting exhibits and one of the really new things shown at the Exposition was the Monarch Bobbin Cleaner, which cleans roving from roving bobbins. This machine quickly and easily removes the remnant of roving from bobbins without the slightest injury to the bobbin. The roving is taken by air suction from the removing brush and deposited in a collector in a fluffy condition and with the fibers uninjured. It was an exhibit that attracted practical mill men. W. H. Cobb of Union, S. C., was in charge.

Oxwell Acetylene Co.

The exhibit of the Oxwell Acety-

lene Co. featured a full line of their low pressure oxwelding and cutting apparatus. F. R. Chadwick, who has recently been appointed Southern representative with headquarters at Charlotte, N. C., was in charge and was assisted by P. J. King. A. B. Yuille was demonstrator. W. E. Carter of Newark, N. J., assistant sales manager of the company, was present.

U. S. Ball Bearing Co.

One of the best arranged exhibits was that of the U. S. Ball Bearing Company, of Chicago, Ill., which had as its center piece three pyramids of ball bearings supporting a revolving globe. They featured the "Strom" bearings in a full line of radial and thrust bearings. F. V. L. Smith of Atlanta, Ga., and M. G. White of Charlotte, N. C., Southern representatives, were in charge. O. Bruenauer, of Chicago, director of sales and engineering; H. E. Johnson, sales engineer, and Harry Wickland, New England representative, were also present.

Hopedale Mfg. Co.

This company exhibited at the Exposition four automatic looms, two of which are plain looms changed to automatic and two were outright new automatic looms. These new looms had new features which were interesting and demonstrate the progress made in the automatic loom field. Mr. Jonas Northrop and Mr. Claire Draper, president and treasurer, respectively, of the Hopedale Mfg. Co., were in attendance at their exhibit, together with their Southern agent, Edwin Howard, all of whom were glad to see their friends.

Goulds Manufacturing Co.

The Goulds Manufacturing Company, Seneca Falls, N. Y., manufacturers of pumps for every service, with sales offices at Atlanta, Ga., and Charlotte, N. C., had a large and attractive exhibit of pumping machinery.

Their exhibit comprised plunger, piston, and centrifugal pumps of various sizes and for a wide range of service.

It included electrically operated house pump of three gallons a minute capacity; vertical triplex boiler feed pump of 125 gallons a minute capacity suitable for operating against pressure of 150 pounds per square inch; also horizontal multi stage centrifugal tire pump with underwriters' fittings as called for by the "National Standard." This pump has a capacity of 1,000 gallons per minute against 100 pounds pressure.

After the convention this fire pump will be installed in mills of the American Processing Company, Mount Holly, N. C.

The Goulds line covers every pumping requirement of the mill and the home.

Their representatives in attendance were J. J. Gannon, Seneca Falls, N. Y.; O. B. Tanner, Atlanta, Ga., and Isaac Hardeman, Charlotte, N. C.

J. D. Collins.

J. D. Collins, the well known machinery agent of Atlanta, Ga., ex-

hibited the Economy Engineering Cotiering machines and Berger lick-ers. The lick-ers were of three types. He also distributed literature on Automatic trucks and tractors. The exhibit was in charge of A. B. Sanders of Atlanta and secured many visitors.

Greenville Spool & Mfg. Co., Greenville, S. C.

The exhibit of the Greenville Spool & Mfg. Co., Greenville, S. C. showed a complete line of the company's products for the textile trade, such as skewers, underclearers, and warper, twister and jack spools. Spools were shown in the various steps of construction and in cross section for the information of those not familiar with the structure. D. F. Folger, M. T. Maxwell and V. D. Ramseur were in charge.

The Strong, Carlisle & Hammon Co.

The Strong, Carlisle & Hammon Co. exhibited a line of steam saving specialties, including traps, separators and non returnable valves, also unbreakable set screws. H. B. Hill of Philadelphia was in charge.

Pittsburgh Plate Glass Company.

The Pittsburgh Plate Glass Company and the Patton Paint Company exhibited a beautiful set of panels demonstrating their wide range of colors. D. R. Hall was in charge assisted by J. M. Thomas; C. C. Brooks, J. E. Oliver and T. E. Matthews.

Page Steel and Wire Company.

The exhibit of the Page Steel and Wire Company, Adrian, Mich., consisted of "Wire-Link" Factory Enclosure Fence; gate, wire window guards, etc. H. P. Hoffman was in charge.

Westinghouse Companies.

The exhibit of the Westinghouse Companies was very attractively arranged and showed not only lamps but interior views of the mills that were using their lighting system. A double box was arranged to show the comparative effects of good and bad lighting.

Henry T. Long of Charlotte, E. P. Carpenter of Atlanta and R. Ely of New York were with the exhibit.

American Blower Co.

The exhibit of the American Blower Company showed fans for cotton mills, Ventura direct connected fans, Detroit return traps, and Sirocco fans. C. V. Saunders of Atlanta, H. J. McGregor of Detroit and Isaac Hardeman of Atlanta were with the exhibit.

Dixie Culvert and Metal Co.

The Dixie Culvert and Metal Company showed a sanitary equipment, Calco drainage gate and flume. Also street and road signs. Mark Halsey was in charge.

Henry Hackney.

Henry Hackney of Charlotte, N. C., who makes plumbing for cotton mill and villages a specialty, installed a typical mill tower plumbing system, consisting of latrines, wash sinks, urinals, floor drains and drinking fountains. A typical mill village plumbing outfit was also included in the exhibit. This consisted of toilet, bath tub, sink, hot water boiler and heater. These exhibits were all connected and shown in operation. Several drink-

ing fountains with coils and tanks or ice boxes, showing the modern method of keeping water cool was shown.

In charge of Mr. Henry Hackney and Mr. J. C. Lowry.

Crompton & Knowles Loom Works.

While they had no machinery on exhibition, the Crompton & Knowles Loom Works had space there where they were very glad to greet their friends and had an exhibition of photographs showing a number of the various types of looms which they build and which they felt quite sure would be of interest to visitors. S. B. Alexander, Jr., Ed. Garsed, Fred Howe and Harry Wylie were with this exhibit.

Northern Equipment Co.

The Northern Equipment Company exhibited their line of boiler feed regulators. Isaac Hardeman of Charlotte and John R. Williams of Birmingham, Ala., were in charge.

Bird-Wilcox Company.

Bird-Wilcox Company, Atlanta, had on exhibition in spaces 87 and 88, Southern manufactured Welding Torches, Oxygen Decarbonizers, Welding Tables, Oxygen and Acetylene Regulators, Lead Burning Apparatus, Carbide Generators, Oxygen and Acetylene gases, for cutting and welding apparatus, Asbestos goods and all welding rods used for oxy-acetylene welding purposes.

The exhibition was in charge of George Bird, together with an expert welder, who made practical demonstrations on welding cotton mill parts.

M. C. Canler was in charge of this exhibit.

The Graton & Knight Mfg. Co.

Graton & Knight Manufacturing Company had an exhibit which included a very representative display of all kinds of Leather Strapping used on the three principal makes of looms, namely, Draper, Crompton & Knowles and Stafford. There were so arranged that each set of straps for the different makes of looms were in one exhibit by itself. This was prepared with object in view of enabling visitors to the exhibition to observe the quality and construction of straps for whatever looms they may use in their mill. If a visitor's mill is equipped with Draper looms, all he had to do was to look at the strap exhibit for Draper machinery.

They also had a complete exhibit of leather belting and they laid particular emphasis on the special types of belting for cotton mill use. Their entire line of belting was shown, that is, all regular brands, waterproof belts and special belting for use where there is steam, chemical fumes, overload conditions and the like.

W. B. Sawyer, J. D. Patterson, North Carolina representative; Mr. Benny, manager Atlanta branch; Wilkins Cagle, South Carolina representative, were with this exhibit.

J. C. Sheppard.

J. C. Sheppard of Wilmington, N. C., exhibited his line of "Pinesol" disinfectants and explained their properties.

(Other exhibit notices will be found elsewhere in this issue.)

Seen At the Textile Exposition

Taylor Instrument Company.

The Taylor Instrument Co., of Rochester, N. C., show a full line of thermometers and recording devices. E. C. Taylor, H. M. Barker and Mr. Carter were in charge.

Saco-Lowell Shops.

The Saco-Lowell Shops did not have an exhibit but had a booth at which they met their friends. Rogers W. Davis, James Strang, Charles Mills and R. M. Maulden were present.

Kaustine Company.

The Kaustine Company of Buffalo, N. Y., exhibited models of their toilet systems. One of the models had a section removed so as to demonstrate the way in which the chemicals were utilized. A. M. Whelpley of Atlanta, Ga., was in charge.

Fibre Specialty Co.

The Fibre Specialty Manufacturing Company showed a full line of their well-known roving cans, doffing boxes, etc. A. B. Carter, Southern representative, was in charge.

Gower-Mason Electric Company.

The Gower-Mason Electric Company of Greenville had a very attractively arranged booth with a few samples of wiring and motor coils.

Normalair Company.

The exhibit of the Normalair Company, Winston-Salem, N. C., consisted of the Normalair Humidifier in actual operation. F. F. Bahnsen, W. H. Sloan, E. S. Burnett and R. T. Stedman were with the exhibit.

Goulds Manufacturing Co.

The Goulds Manufacturing Company, of Seneca Falls, N. Y., exhibited a line of pumps for homes, mills and boilers. J. J. Gannon of Seneca Falls, O. B. Tanner of Atlanta and Isaac Hardeman of Atlanta, Ga., were in charge.

Wadsworth-Howland Co.

W. A. Williams of Greenville, S. C., was in charge of the Wadsworth-Howland exhibit and distributed literature relative to their well known line of paints.

Main Belting Co.

The exhibit of the Main Belting Co. featured the "special textile Leviathan Belt" which is now in use in many cotton mills in the South. F. R. House, Carolinas representative, Charles G. Sherman, manager of the Atlanta branch, and F. L. McIlwain of the service department were in charge.

Textile Industrial Institute.

The Textile Industrial Institute of Spartanburg, S. C., showed looms being operated by their students and plans of the model mill which they propose to build.

Screw Machine Products Co.

The Screw Machine Products Co. showed their automatic factory and telephone calling systems. H. P. Dixon was in charge.

Stanley Belting Company.

The Stanley Belting Company of Chicago, Ill., showed samples of imported solid woven belt in single, double and triple ply. It is a belt especially well adapted for dye houses, bleacheries, etc. C. E. Hathaway of Chicago, Ill., was in charge of the exhibit.

Sherwin-Williams Co. featured their mill eggshell white and general plant maintenance idea. In this maintenance idea is the Sherwin-Williams Company's desire to assist and develop this proposition for all mill owners by maintaining a supervision of their plant, assisting them at all times to see that the proper paint is used for the surface to be painted.

In the mill eggshell white, this is their new development in white for the interior of mills, and dries with a perfect eggshell finish. This effect diffuses light instead of reflecting light. It is being used by some of the largest mills in the country, such as the Cluett-Peabody Company, Troy, N. Y., the Brown & Sharpe Company, Providence, R. I., and many others.

They had this paint on display at their booths Nos. 338 and 339 on beaver board, wood, and, also, brick and stone.

W. P. Hambaugh of Savannah, Ga., and Arthur Larkins of Newark were with the exhibit. W. H. Porter, A. D. Kiser and H. S. Blizzard were also present.

Columbus Truck & Supply Mfg. Co.

All steel cotton mill trucks, beam trucks, lap trucks, cotton tie cleaning and strengthening machine, cut gears were shown by the Columbus Truck and Supply Company. T. D. Futch, secretary and treasurer, was in charge of the exhibit.

Peaslee-Gaulbert Co.

The Peaslee-Gaulbert Co. had panels showing their mill cottage and Factory-Life paints, which have been adopted by a great many Southern mills and given great satisfaction.

J. L. Glenn was in charge of the exhibit, assisted by D. S. Malkemas and M. J. Dawes.

Charlotte Leather Belting Co.

The features of the exhibit of the Charlotte Leather Belting Company were their waterproof weave room belt and their "Packide" belt, which is a special belt that they recently brought out to stand especially hard service. Rolls of their regular line of belt were attractively arranged. C. M. McClure was in charge.

U. S. Ring Traveler Co.

The exhibit of the U. S. Ring Traveler Company was in charge of Wm. P. Vaughan and A. M. Bowen of Providence, R. I., was present part of the time. A feature of their exhibit was large travelers for dry twisting, these being made of steel.

Hockaday Company.

The Hockaday Company showed samples of their paints on panels and called special attention to the washing features. O. H. Johnson, H. D. Shackelford and A. T. Stone were with the exhibit.

The Wilson Company.

The Wilson Company of Greenville, S. C., Southern representative of the Keystone Fibre Co., Maloney Belting Co., Bleckley Perforating Co., Florida Broom Co., and the Michigan Leather Packing Co., exhibited a full line of their specialties. Mr. Wilson was in charge of their exhibit.

The Roy specialty and loom parts were also shown at this booth.

New York and New Jersey Lubricant Company.

The New York & New Jersey Lubricant Co., 165 Broadway, New York, had on display grades of Non-Fluid Oil that have been developed especially for the textile industry, and that are designed for lubricating every machine employed in the carding, spinning, twisting and weaving of cotton. They claim that these lubricants possess the advantage over others of insuring freedom from oil stains on goods in process, thereby stopping a loss which costs Southern mills many hundreds of thousands of dollars each year.

Besides men from their regular sales staff, the company had in attendance men who have specialized on the lubrication of textile machinery, so were amply qualified to give mill superintendents and engineers expert advice on this subject and recommend for each machine lubricants that will insure its working at the lowest operating expense.

At the Exposition, the New York & New Jersey Lubricant Co. distributed, gratis, a text book on textile machinery lubrication, in which is illustrated every machine through which cotton passes from the bale to the packing room and which treats of the lubricating difficulties usually experienced and the remedies for them.

W. F. Kimball, president; Lewis W. Thomason, district manager; W. H. Higginbotham, W. H. Wiley, Falls Thomason were in charge of the exhibit.

Corn Products Refining Co.

The Corn Products Refining Company made a display of the various thick boiling starches, thin boiling starches, dextrines, and British gums, a few specialties in addition. They had a very attractively arranged exhibit.

The booth was in charge of Dr. W. R. Cathcart, New York City; John R. White, Greenville, S. C.; Albert G. Smith, Atlanta, Ga., and Matt Ousley of Greenville, S. C.

Ohio Blower Company.

The Ohio Blower Company had an attractive exhibit showing various steam specialties which the company manufactures, including exhaust heads, steam traps, steam separators, oil separators, feed water heaters, water level control valves. They also showed their Swartwout Rotary Ball Bearing Ventilators, which are especially designed to keep fresh air in any building. The company has been very successful in marketing their ventilating devices and their exhibit attracted a great deal of attention.

Jas. C. Smith, Atlanta, Ga., the Southern office, was in charge.

The Transmission Ball Bearing Company, Inc.

At the Greenville Textile Show The Transmission Ball Bearing Co., Buffalo, exhibited a complete line of Chapman type ball bearings for power transmission purposes. This included hanger bearings, ball bearing pillow blocks, loose pulleys, friction clutches and fan bearings. Their ball bearings for fan have an

advantageous feature in being absolutely interchangeable.

They also had a running exhibit to show the ease with which a ball bearing revolves when under load. Their spaces were 381 and 382.

O. R. S. Rool, district sales manager, and A. C. Shroth, general sales manager, and E. H. Lennox, assistant general sales manager, were with the exhibit.

Mr. Lennox, who is an expert engineer, will remain in the South for several weeks to give the cotton mills expert advice on the question of power saving through ball bearings.

Morehead Manufacturing Company.

The exhibit of the Morehead Manufacturing Company consisted of parts of their well known return to boiler system for feed water. E. S. Player and W. B. Player were in charge.

Electric Storage Battery Company.

Exide storage batteries were exhibited at this booth. They showed a submarine cell, an airplane battery and a coast artillery firing battery. O. S. Jacobson of Atlanta was in charge.

E. C. Atkins & Company.

The exhibit of the E. C. Atkins Company, Indianapolis, consisted of Atkins AAA Non-Breakable Hack Saw Blades. These are an innovation and the company is sure that they will make an impression upon the managers, superintendents and purchasing agents of the textile fraternity.

In addition to the above, they showed a nice line of Hack Saw Frames, Metal Cutting Circular Saws, Screw and Slotting Saws, Power Blades for Hack Saw Machines, and last but not least, their famous Kwik-Kut Metal Cutting Hack Saw Machines—the machine that has revolutionized Metal Cutting. J. E. Phillips of Atlanta and T. A. Endicott of Indianapolis, Ind., were with the exhibit.

Swan & Finch Company.

The exhibit of Swan & Finch Company, New York, occupied booths Nos. 213 and 214. They had machines in operation demonstrating their lubricants, Slo-Flo and Cupese.

They went to considerable trouble in order to provide an attractive exhibit, and had one that was a credit to the exposition. There were in attendance their Southern representatives: B. M. Lattimore, representing Georgia; L. Pargett, representing North Carolina; S. H. Michales, representing South Carolina; H. Vantire of their New York office and R. A. McLay of the New England selling organization were also present.

They were also prepared to give engineering advice with regard to the lubrication of textile machines, and to help solve any lubrication problems that were brought to their attention.

Georgia School of Technology.

A very well arranged exhibit was that of the Georgia School of Technology of Atlanta, Ga. They showed samples of shirt goods, etc., that were made by the students.

Southern Textile Machinery Co.

The Southern Textile Machinery Company exhibited in their space numerous sizes of the Robbins & Myers electric motors for which they are agents.

American High Speed Chain Co.

This company exhibited samples of their high speed chains as adapted to textile machinery. O. J. Abell of Abell-Howe Company of Chicago and E. S. Player, Southern representative, were in charge of the exhibit.

W. A. Sebt Company.

They are district agents for Sundstrand Adding Machine, Corona Typewriters, Mineographs, Jasper office and typewriter desks. They make rubber stamps daily. Their booth was filled with specialties.

Manufacturers Warehouse Company

The Manufacturers Warehouse Company have a very attractive booth with chairs, settees and writing table for convenience of its friends and their friends. The service the warehouse company rendered the many exhibitors of the Exposition was very efficient and was appreciated.

The Chester M. Goodyear Company.

The Chester M. Goodyear Company of Greenville, S. C., one of the leading waste manufacturers in the South, had a booth with a sign "If you have time to waste you are welcome to waste it here."

Carolina Supply Company.

The Carolina Supply Company used a joint space with the Swan & Finch Company, of whom they are the South Carolina representatives.

The following Carolina Supply Company men were in attendance during at least part of the Exposition: T. S. Inglesby, D. O. Jennings, Thos. Webb, John Gilpillan, J. J. O. Cogswell and Thos. Boyd.

The Texas Company.

One of the exhibits that attracted unusual attention was that of the Texas Company. A large pyramid was arrayed showing samples of oils while a miniature railway train ran around the bottom. F. K. Dorrance, F. J. Davis, P. A. Grier, G. H. Seawell and Mr. Cope were with the exhibit.

Whitlock Coil Pipe Company, Hartford, Conn.

This company exhibited products of their heater department and pipe department.

Their heater department manufactures, among other things, hot water storage heaters which are used exclusively in the mills for furnishing hot water for dyeing and washing, using exhaust steam to heat the water supply. American standard copper coil feed water heaters are also used extensively throughout the mill industry for utilizing exhaust steam for heating boiler feed water. The exhibit of their heater department consisted of a small model boiler engine, and feed water heater and hot water storage heater in actual operation.

The exhibit of the pipe department consisted of a 40-inch pipe bend flanged with the Whitlock double lap joint used for high pressure steam lines and a Whitlock welded header. Whitlock bent and flanged pipe work is used throughout the United States for high pres-

sure steam lines in the best designed power plants.

Mr. Charles M. Setzer, Independence building, Charlotte, N. C., district engineer in the southeastern territory, was in charge of the exhibit at the Exposition and was assisted by J. H. Gibson from the Philadelphia office.

Cooper & Griffin.

Cooper & Griffin, one of the leading cotton firms of the South, had a space in which they met their friends and also furnished cotton quotations.

United Electric Company.

The United Electric Company of Canton, Ohio, exhibited suction cleaning devices of several kinds. L. J. Bombardier was in charge.

Dowman & Dozier Company.

Dowman & Dozier Company of Atlanta showed metal ventilators, metal shingles and metal doors with L. J. Bombardier in charge. Metal self-balanced windows were also shown.

S K F Ball Bearing Company.

The center piece of the exhibit of the S K F Ball Bearing Company was a large ball bearing mounted upon an eccentric shaft. They also exhibited two small eccentric shafts. A case of rings and bearings showed a variety of sizes. E. M. Potter, S. M. Smith, W. H. Holby and R. C. Byler were with the exhibit.

J. A. Piper Roofing Company.

The J. A. Piper Roofing Company showed a Wise Manufacturing Company heater, copper slasher covers and various forms of galvanized iron and copper pipe work. They also showed metal shingles, copper troughs and oil cuts. J. A. Piper has

charge, assisted by W. H. Cunningham.

Ware Shoals Manufacturing Company.

The Ware Shoals Manufacturing Company showed views of their mill and community houses at Ware Shoals, S. C., and sample bolts of their fine shirtings and drills.

L. L. Barr Company.

The L. L. Barr Company showed in a very well arranged space a wide variety of sanitary and plumbing fixtures. Mr. Barr was in charge.

J. Van Lindley Nursery Co.

The landscape department of the J. Van Lindley Nursery Co., Greensboro, N. C., was represented at the Exposition by Mr. Goodwin, a landscape gardener of experience. He had a number of photographs showing improvements made in mill communities through proper attention to landscape work. As samples of their shrubbery they showed several beautiful boxwoods.

Builders Lumber & Supply Co., Inc.

The exhibit of the Builders Lumber and Supply Company consisted principally of photographs of mill villages, mill churches, school houses and playgrounds that they have built.

They also had for exhibit a miniature cotton mill "Model Mill Construction," built by the Southern Pine Association, of New Orleans.

They also exhibited paints and paint products manufactured by Leland Moore Paint & Oil Company, Charleston, S. C., "Made in the South for us in the South."

Booth was in charge of Mrs. Dan. Brown.

Sanitation Means Efficiency

Read what one large mill says of our work. We can handle yours in the same efficient manner.

Acme Plumbing Co.

Charlotte, N. C.



**Sanitary Engineers
and Contractors**

WISCASSETT MILLS COMPANY

COTTON YARNS
SEAMLESS HOSIERY

J. W. CANNON, President
CONCORD, N.C.
J. F. CANNON, Treasurer
J. A. GROVES, Secretary

CANNON MILLS
BUILDING AREAS
NEW YORK
PHILADELPHIA
CHICAGO
SAN FRANCISCO

ALBEMARLE, N.C.

April 29, 1919.

Southern Textile Bulletin,

Charlotte, N. C.

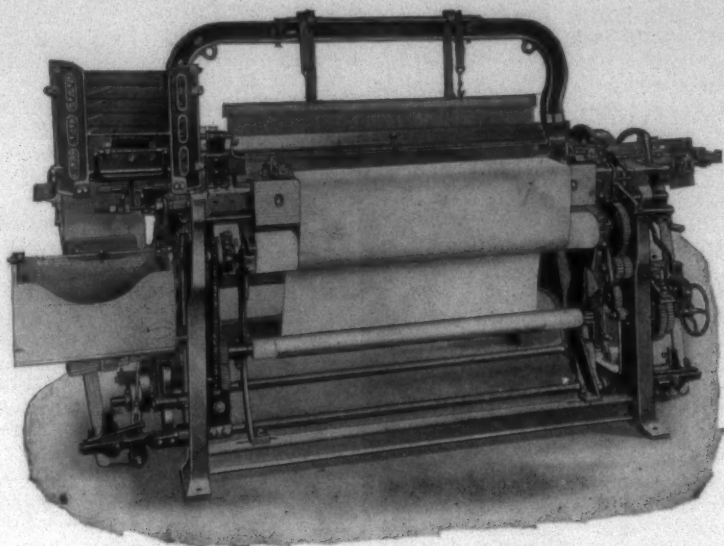
Gentlemen:--

Yours of the 18th. The Acme Plumbing Company have done a large amount of work for us and the same has been satisfactory. They have always lived up to their contracts and installed their material in a workmanlike manner.

Very truly yours,

WISCASSETT MILLS COMPANY

J. F. Cannon
TREASURER



PLAIN GOODS LOOM

STAFFORD Automatic Looms increase production, cut costs in half and frequently more and produce a quality of fabric unsurpassed.

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The Stafford Company

Readville, Mass.

J. H. Mayes, Southern Agent, Charlotte, N.C.



Community Work in Southern Mill Villages

(Summarized from Article by E. S. Draper, Landscape Architect and City Planner on "Playgrounds, Parks and Parkways.")

The people of the large cities seeing but one class of mill operatives, those who labor in small, poorly lighted rooms and live herded together in tenements where all laws of ventilation and sanitation are ignored, where throughout the mill locality there is no provision made for the healthful outdoor activities which so greatly aid in strengthening the morale of a mill community, where no thought of the influence of natural beauty of surroundings apparently enters the mind of the mill management, picture the mill people of the South as living and working under similar conditions.

Could they but realize that in place of the crowded, restricted tenement section of a large industrial city, the Southern textile mill is usually built amidst vast acres of open country where pure air and clear sunshine are Mother Nature's bounteous gifts to her laboring children, where the opportunities of uplift, both mental and physical, are to be drawn from these very sources so often in the past lying unappreciated and undeveloped; if they could but realize that the Southern textile mill village in its turn is progressing from the typical monotonous, dreary village of a few years past to a cheerful, homelike and even artistic center of human activities, this hideous nightmare of mill life would be utterly dissipated.

Village of Old Unprogressive Times Little Known Today.

Almost every village in the South has undertaken some innovations, varying widely in character and scope, to improve their village. The old style mill village, with its monotonous layout of streets, has been improved by street and walk paving, tree and shrub planting, architectural improvements to the old village houses, and added houses and community buildings of modern design, so that the faults in the original planning of such a village have been very well camouflaged.

The mills in developing and maintaining their villages are facing new problems every day. Where the village church and school were formerly considered sufficient to supply the full needs of community work, the necessity of providing amusement and recreation for the employees has become more apparent. This has led to the establishment of community houses, gymnasiums, libraries, movies, kinder-

gartens, day nurseries, model kitchens and lunch rooms.

Second Stage of New Era.

We are now entering in a richer and broader stage of development than the one passed through, one which will take full advantage of the improvements already wrought and only seek to multiply and intensify such developments in the most far-reaching way. This is the reason for the establishment by many mills of playgrounds with play apparatus. Quite naturally, further improvements will take into consideration the question of intensified outdoor recreation, rest and general improvement in the village appearance. Nowhere can parks and playgrounds be more justified than in the mill village and public opinion now considers them an absolute essential to the life, health and happiness of a community.

Wholesome Outdoor Activities a Strengthening Factor in Village Morale.

We feel that athletic recreation is the first need of the mill village; hence place the playgrounds first. Parks, when large, may combine both recreation and rest features, but when small are usually purely for rest purposes. Parkways are essentially improvements to the general appearance of the village.

There are around every mill village large areas which may be utilized as community centers, treated as a park, designed with walks, seats, structures, bandstand, etc., or small areas, which may be converted into little neighborhood parks and are treated merely to create a spot of beauty in the eye of the passerby.

Then there are the large parks comprising several acres, which may include a village playground. Oftentimes a portion of the park will be naturally wooded and can be treated without disturbing the trees. A common feature of Southern mill village sites is the ravine. By bordering a ravine, with its brook or creek, on each side by a road, we have created an attractive parkway with houses fronting it by using land unsuitable for building purposes.

In old villages where natural beauties do not abound, the desired results may often be obtained by transporting full grown trees from the woods and transplanting them in streets and parks, and by the lavish employment of shrubs.

Humanitarian But Also Cold Blooded Business Proposition.

Now that the problems of park

and playground improvements in the Southern mill village are becoming more important each day, it is important that a program of improvements for each village be studied before constructive developments are undertaken. The United States Government has realized the importance of this work and is adopting it extensively.

Work of the character described is not charity in any sense of the word—it is good business because it tends to uplift the standard of health throughout the entire village, thereby increasing the ability of the larger operatives to work more advantageously for the company, while increasing the physical capacity of the younger children to absorb the most knowledge from the good schools which are always provided. We set no specific title by which such work may be called, but we do believe that any work of this character which tends to the upbuilding of the community morale should not be classified within the narrow limits of that now so common term, "Welfare Work." The word "community" is coming to have a richer and fuller meaning in the present era, and for this work, which has such a bearing in developing a better community, mentally, morally and physically through the completion of structural improvements, we would suggest community work.

The experience of those mills that have engaged in village improvement or community work, should be the guide of other mills that contemplate such work and the following letters in answer to inquiries sent by us are very interesting as showing the opinion of those who have made large expenditures in community work.

Victoria Cotton Mill.

Rock Hill, S. C., April 21, 1919.
Mr. David Clark, Editor,
Southern Textile Bulletin,
Charlotte, N. C.

Dear David:

In reply to your letter we wish to advise that we have engaged E. S. Draper, landscape architect of Charlotte, to work over our mill village. During the past year we have rearranged and opened up a number of new streets throughout the village, and during the past winter we have planted a large number of shade trees along the streets under the direction of Mr. Draper. We wish to advise that we are very much pleased with this work, and we are developing architect plans just as fast as we can get labor to do so. We are now busy with all hands finishing up the ball park and tennis courts. We hope in the next few

weeks to complete all street development as per plans suggested by Mr. Draper.

We would be glad to have you pay a visit and note the wonderful improvement on our village since engaging a landscape architect.

Yours very truly,

J. E. Gettys,
Vice-President and Manager.

K. S. Tanner.

Spindale, N. C., April 21, 1919.
Mr. David Clark,
Southern Textile Bulletin,
Charlotte, N. C.

Dear Mr. Clark:

I have your favor of the 18th in reference to park and playground work, and will say that while we have not done enough of this work or had long enough experience with it to place us in position to give any really valuable information, will say that what little work we have done we believe is giving excellent results, and will say we expect to continue just as much of it as we possibly can.

E. S. Draper, of Charlotte, has planned most of our work.

With regards, I am,
Very truly yours,

K. S. Tanner.

Caswell Cotton Mills, Inc.

Kinston, N. C., April 25, 1919.
The Southern Textile Bulletin,
Charlotte, N. C.

Gentlemen:

In reply to your favor of recent date relative to landscape work we have recently had done at our mill, beg to advise that we are very much pleased with same. We believe that the investment will indirectly prove very profitable, to say nothing of the improved appearance, which, of course, is pleasing to the eye of all those interested.

Our work was done under the supervision of Mr. E. S. Draper, Charlotte, N. C. The work was only recently done, so of course have not yet had an opportunity to form a definite opinion as to the permanency of same, though as above stated, we are very much pleased with the outlay for this purpose so far.

Yours truly,

Caswell Cotton Mills,
F. C. Dunn,
Vice-Pres. and Treas.

The Erlanger Cotton Mills Company

Lexington, N. C., April 23, 1919.
Mr. David Clark, Editor,
Southern Textile Bulletin,
Charlotte, N. C.

Dear Sir:

Acknowledging receipt your letter April 18th will say that Mr. E. S. Draper, Landscape Architect, Charlotte, N. C., has, during past year or more, drawn up and supervised the execution of plans for improvement of our property here.

We consider this work well worth while, and commend Mr. Draper as a gentleman, well versed in the art of his profession.

Very truly yours,

J. M. Gamewell,
General Manager.

Seen At the Textile Exposition.**Graceland Greenhouses.**

The Graceland Greenhouses of Greenville exhibit at the Southern Textile Exposition consisted of cut flowers, potted plants and such other exhibits as usual to a greenhouse; also cut flowers and plants to be used in other booths of other exhibitors during the exposition.

Scandinavia Belting Company.

The Scandinavia Belting Company of New York exhibited a four frame drive for spinning frames on which one of their belts had run continually for 14 months without belt dressing and the belt was still in good condition. Jefferson W. Carter of Atlanta, C. H. Cosgrove of Newton, N. C. and H. B. Nutting were in charge of the exhibit.

J. E. Serrine.

J. E. Serrine, the well known mill engineer of Greenville, did not attempt to make any exhibit except by displaying photographs of mills and mill communities of which he had been the engineer. Mr. Serrine was present in person and at times various members of his organization.

J. R. Regnas & Co.

J. R. Regnas & Co. of Atlanta showed a full line of specialties such as baling trees and buckles, gum tape moisteners, etc. J. R. Regnas was in charge, assisted by M. L. Jackson.

Burroughs Adding Machine Company, Detroit, Mich.

The well known line of adding and posting machines manufactur-

ed to meet the needs of all accounting departments were shown by the Burroughs Adding Machine Company.

Economy Baler Company.

The Economy Baler Company did not show any of their machines at the exposition, but had reserved space 324 where their representative, J. S. Hulme, was glad to see his friends.

Barber-Colman Company.

The Barber-Colman Company occupied spaces 309, 310, 317 and 318 and had on sale their warp tying machines. R. E. McCausland, J. H. Spencer and W. H. Alford were present.

E. S. Player.

E. S. Player, manufacturers agent of Greenville, used for the exhibition of specialties represented by him in his territory, including the Puro Sanitary Drinking Fountain Company's Fountains and Coolers, of very lasting and most sanitary designs; The Morehead Manufacturing Company's Back to Boiler System for the drainage of heating systems, drying systems and returning all of the condensation from steam lines back to the boiler without reducing its temperature or the use of pumps, etc. The Stuebing Truck Company's system in trucking, substituting inexpensive wood platforms in connection with their machines for the ordinary two wheeled hand trucks and boxes that are in general use in textile plants; The Mercury Trackless Train method of transportation with the use of their storage battery tractor.

Perry-Mann Electric Company.

The Perry-Mann Electric Company of Columbia, S. C., are wholesale dealers in electrical supplies and appliances. They represent all of the largest manufacturers in their line and carry the largest assorted stock of wiring materials in the Carolina.

This company began business in 1899 as wiring contractors, continuing until 1917, at which time realizing the need of a jobbing house in South Carolina, they discontinued their contracting department.

Since this they have devoted their whole time and energy to serving central stations, cotton mills, electrical contractors and industrial plants in a manner that demonstrated their ability to serve the electrical industry.

Technical Education at North Carolina State College.

West Raleigh, N. C., May 5.—The latest issue of the State College Record, which is just out, is entitled "Technical Education at the North Carolina State College." It presents in concise terms general information regarding the college and the courses it offers. It covers in brief form the information contained in full in the annual catalogue, but it has the advantage over the catalogue in being profusely and liberally illustrated with pictures of the buildings, grounds, laboratories, college activities, etc. This publication should be placed in the hands of every prospective high school graduate. In this age of industry technical education should

not be overlooked. Copies will be mailed to any one upon request to Mr. E. B. Owen, registrar, West Raleigh, N. C.

The Awkward Age.

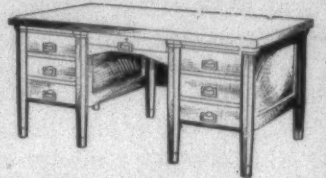
"Tommy, you're too old to cry."
"Yes, and I'm too young to have what I'm crying for."

When a man marries, his wife's relatives begin.

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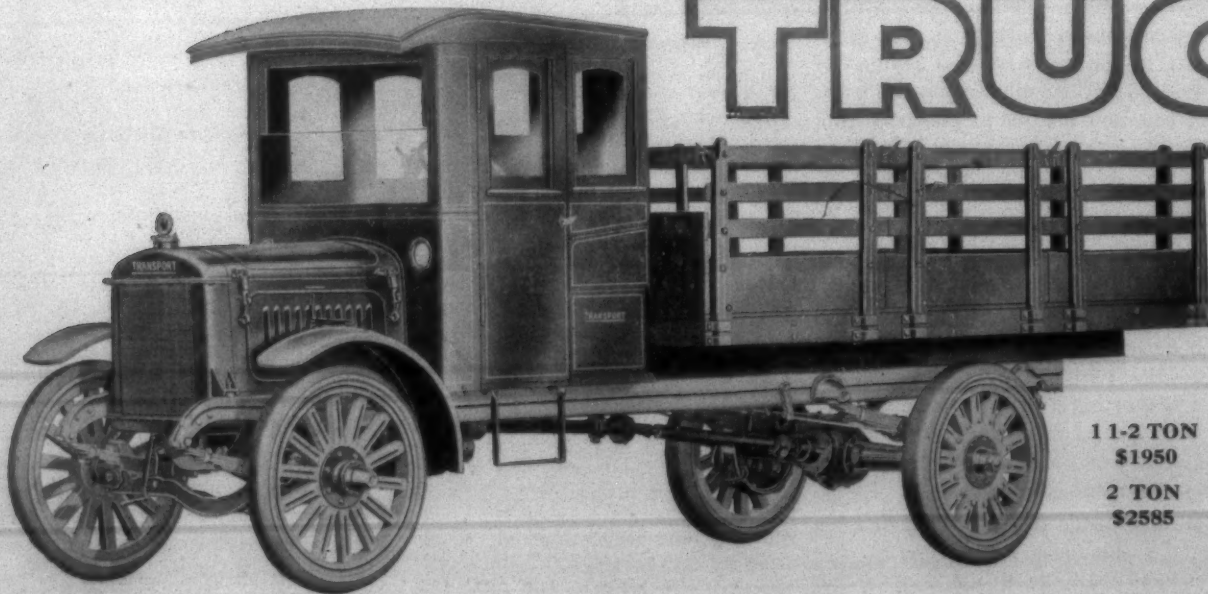
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New Era Between Sections

By W. B. Thompson, New Orleans, La.

I am grateful for the privilege of speaking to this very important audience. The cotton manufacturers of the United States represent not only one of the greatest and most essential divisions of our national business life, but they are the most important and valued customers of that section which I call my home. The cotton mills are dependent upon the South for the necessary supply of raw material, and to the spinners must the cotton states look for the absorption of their chief agricultural product. Because of this relation of interdependence the interests of the manufacturer and the producer are, in the broad view, identical. The prosperity of the one ultimately reacts in terms of good fortune upon the other. Misfortune befalling the one brings at length distress upon the other. Unfortunately this real community of interest has not been by either party adequately appreciated. The attitude of each toward the other has not been characterized by helpful co-operation, but rather by suspicion and even antagonism. But happily the day of clearer understanding, broader vision and kinder spirit has dawned.

What Is New Era?

But what is the New Era of Good Feeling, and how shall it eventuate? Is it a transient stage of sweet sentimentalism resonant with lyric brotherhood of man and millennial stuff, to be all too soon rent asunder by the unbrotherly and unmillennial acts of men? Or is it the period wherein we shall acquire a clearer conception of the needs and rights of men as men and under the teachings of this enlightenment construct the everlasting democracy of good fellowship and reciprocal good works? Faith without works is futile or worse. "How beautiful," says the immortal old Scotchman, "is noble sentiment: like gossamer gauze, beautiful and cheap; which will stand no tear and wear! Beautiful cheap gossamer gauze, thou film-shadow of a raw material of Virtue, which are not woven, nor likely to be, into Duty; thou art better than nothing, and also worse!"

Time will answer these questions and will answer soon. Upon whom does the happy issue out of this dilemma depend? Let us not permit any obscuration or evasion of responsibility. The orators, the poets, the phrasers, the dreamers will not avail. Whether this era shall be the fool's dream paradise or the birthday of a permanent new and better stage of civilization, depends primarily and principally upon the attitude and acts of the world's most powerful and practical force, namely, its business men. When I say "business men" I use the term in its widest sense, including therein the producing, as well as the commercial, financial and industrial divisions of the economic commonwealth. And permit me to add, by way of emphasizing the weight of responsibility resting upon

the business men themselves, that if the happy issue comes true it will not have been accomplished through legislative fiat or government manipulation. The old order has passed away. If the new order is to assure a happy and prosperous country, it is essential that the business interests thereof must co-operate in better understanding and broader sympathy as between themselves and with a more tolerant disposition towards the needs and aspirations of the people at large whom these interests serve and upon whose good will their ultimate success depends.

Relation of Interests.

Passing from these statements of general principles, I will endeavor to make specific application thereof to the relationship existing between the cotton manufacturing and the cotton producing interests. I have stated that heretofore the attitude of the one towards the other has not been characterized by the mutual confidence which should, for the advantage of both, prevail; and the saying is true. It is also true that the estrangement in question is almost entirely due to a lack of understanding on the part of each party as to the situation and needs of the other, and to a misunderstanding on the part of each as to the motives and purposes which actuate the other. But we must not be by our enthusiasm beguiled into the belief that a mere sentimental disposition towards friendliness will fructify in permanent practical co-operation so long as the substratum of non-understanding, misunderstanding and mistrust remains.

I know that the great body of American spinners are sympathetic with the needs and aspirations of their fellowmen of all sections and of every avocation, and I know that both from motives of friendship and self-interest they are very far from desiring even for an immediate profit that the cotton producer should suffer loss or impairment of his productive capacity. I know that the great body of cotton planters are generous men who from motives of both good will and self-interest are not only willing but anxious that the spinning industry shall thrive. But the spinner, misled by propaganda of selfish parties interested in the welfare of neither the manufacturer nor the producer but only in price fluctuations, and to an extent misinformed as to the real situation and purpose of the producer, and the farmer, resentful for the long years of unremunerative effort through which he has toiled, apprehensive of the emergency with which he is presently menaced and goaded by these conditions into a fighting mood—are still fundamentally apart. I therefore consider it to be not only my privilege but my duty to present the producers' case in an humble effort to bring about a better understanding, on your part, of his situation and aspirations. To the same end it is most desirable that the cotton

farmers of the South shall be better informed than they are as to the spinners' viewpoint and necessities. We will therefore welcome a much closer contact between the parties and in this interest we will greet with outstretched hands the great international cotton conference which this autumn will be held in the South.

Status of Farmers.

The cotton farmers of the South produce a commodity which is absolutely necessary for the comfort and progress of the world at large. Not only do they produce the much greater part of the sum total of world cotton supply, but because of the adaptability of the soil and climate of the South to the production of better grades and staples, they have, potentially, a monopoly of the product. And yet, for more than half a century the cotton farmer has not only prospered less than any agricultural worker in the United States, but his life during the greater part of that period has been an existence of grinding toil, often of poverty and always of cruel limitation.

It is true that during two recent years the demands of the war situations conjoined with crop shortage caused by abnormal weather, labor and economic conditions, have enabled the cotton farmer to secure for his product a price which has covered the cost of production and given him a reasonable profit besides, and which has disclosed to him the blessings of tolerable living conditions. But these factors of change and the results mentioned are accidental and are not in themselves fundamental or permanent. In the rapid whirl of events the farmer now finds himself threatened with an emergency which if not wisely handled will not only deprive him of his profits and his hope but will reduce him again to his former condition of indigence and refasten upon him the chains of economic slavery with which he has been heretofore bound. This tragic contingency has awakened in the cotton farmer and his allies an enlightened concept of the faults of the former economic system of production and marketing under which they have operated and has aroused in them all a virile determination to secure for cotton its rightful position among the great world-used commodities and for the producers thereof the measure of independence and prosperity to which every honest worker in the world is by right entitled.

A Reformatory Policy.

Please do not believe that I am attempting to place responsibility for the past and present plight of the cotton producing industry upon the cotton manufacturers or upon any other department of business, and I beg you to be advised that our efforts in the premises are reformatory only and have therein no motive of reprisal. The cotton South has through the Civil War and the long period of reconstruc-

tion and rehabilitation, lasting until this day, suffered grievous misfortune. But we do not complain, nor do we ask for sympathy or help, governmental or otherwise, on this account. I will admit that the cotton farmer himself, together with the merchants of the old regime, have been primarily responsible (although to an extent under stress of necessity for the uneconomic system which has prevailed in cotton production. From time immemorial the farmer has labored under what has been called the "cotton obsession." The major consequences of this disease is that the farmer has devoted his time and energy to the production of cotton alone and has neglected other crops and the most fundamental farm economies through loyalty to his fetish. But the farmer has been by no means responsible for this waste of opportunity. The merchants of the South have in times past made such waste in a measure compulsory by requiring the farmer whom he supplied to plant the maximum cotton acreage to the end that he, the merchant, would to his profit make the supply account as large as possible. The cotton factors or those who make credit advances and sell on commission, have also participated in fostering this uneconomic system. It is true, however, that in recent years the farmer has been developing a policy of crop diversification and is reducing the relative cost of production; and it is true that the merchants and factors have been taking a more enlightened and a saner view as to the basis of credit, but the progress of evolution has been slow and is not yet by any means complete. The threatened disaster, with which the post-war and reconstruction period is pregnant, has shocked all the interests in question into a realization of the imperative necessity of reforming their methods at once. We accept the responsibility and we make no plea for help, but we do claim and demand the right unchallenged to rectify our mistakes and to reform our methods before the cotton producing industry is engulfed in disaster.

The modicum of the 1918 crop, which came to market in the early days of the season, found an active demand at fairly remunerative prices, which were almost universally accepted. In the latter part of September, and before only a trifling proportion of the crop had been marketed, a great decline was precipitated because of threats of price fixing coming out of Washington and the fear that prices might be fixed below the very high cost of production and because of the activities of the speculative short operators. Wide declines and spot market demoralization followed. In the meantime cotton was being picked and brought to market, where it met with very lax and irregular demand. There was nothing for the farmer or the merchant who had taken cotton from the farmer,

(Continued on page 36.)

SOUTHERN TEXTILE BULLETIN

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DAVID CLARK.....Managing Editor
B. ARP LOWRANCE.....Associate Editor

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THURSDAY, MAY 8, 1919

Won the Second Round.

At a hearing held at Greensboro, N. C., on May 2nd, Judge James E. Boyd of the Western Federal Court, District of North Carolina, declared the Child Labor Section of the Federal Revenue Law to be unconstitutional and granted a permanent injunction in the case of Johnston vs. the Atherton Mills.

This action followed the granting of a temporary injunction at Salisbury, N. C., one week previously.

This test case now goes to the United States Supreme Court, but before the constitutionality of the law can be considered by the Court the matter of the proper procedure in bringing this case will have to be decided by the Court.

In order to prevent the case being considered the Government attorneys are raising technical questions and maintaining that a tax bill can not be tested through a suit of this kind.

We believe that the Government attorneys fully realize that the Supreme Court will declare the law unconstitutional if they ever consider the case upon its merits.

The injunction in this case only applies against John W. Johnston of the Atherton Mills of Charlotte and does not protect any other mill.

While we believe that the law will finally be declared unconstitutional, we strongly urge the mills to comply strictly with its provisions until the Supreme Court renders its decision.

The Southern Textile Exposition.

The third Southern Textile Exposition opened at Greenville, S. C., at 10 a. m. Monday and is undoubtedly the best exposition of its kind that has ever been held in the South.

It is a long way back to the meeting of the Board of Governors of the Southern Textile Association in Greenville when David Clark made a motion that a committee be appointed to arrange to hold a textile machinery exposition in the South, but from that motion originated the idea of the Southern Textile Exposition and the present Exposition Building.

The first Southern Textile Exposition was held in October, 1915, in a section of a building owned by the Piedmont & Northern Railway and was such a great success that enterprising business men connected with the textile and allied interests of Greenville immediately launched a plan for a permanent Textile Exposition Building, which was completed just prior to the second Southern Textile Exposition in December, 1917.

The beautiful and well designed building was really not finished until after the 1917 Exposition and the advance in the cost of building materials made its cost approximately \$240,000 or more than \$100,000 more than the original estimate.

While the building still carries a large indebtedness it is being decreased by the holding of other kinds

of Expositions and by using the second floor for theatricals and other forms of amusements.

The Textile Exposition Building is a credit and an asset not only to the city of Greenville but to the textile industry of the South.

According to schedule the Third Textile Exposition was due to be held in the Fall of 1919, but the chance of bad weather in the Fall made it advisable to hold it in the Spring. There is also an advantage in that the Textile Exposition which is held every two years either in Boston or New York will now be one year distant from the Southern Textile Exposition and the two expositions will be held on alternating years.

The marked difference of the Third Southern Textile Exposition from the last is the better arrangement of the hall, due to the cutting side aisles and the large exhibits of the big machinery manufacturers have been replaced by numerous small exhibits and it is generally agreed that the numerous small exhibits are more to be desired.

Another feature of the Third Southern Textile Exposition is that the exhibits are better and more beautifully decorated.

The decorative efforts of the building itself is unusually good and makes it easy to prepare an attractive display.

This year the top floor is not being used, which is well as exhibitors on that floor were not satisfied with the number of visitors.

The Third Southern Textile Exposition may be pronounced a grand success and those who managed its affairs are entitled to congratulations.

Southern Textile Association.

As the Southern Textile Association which meets on Thursday and Friday of this week does not hold its first meeting until 10 o'clock Thursday morning it will be manifestly impossible for us to report their meeting in a journal that is published on Thursday, but our next issue will carry a complete account of the meetings and will publish all of the addresses made.

We will also cover in that issue the Welfare Conference which is also to be held Thursday and Friday.

News From the Messengers.

Two weeks ago we mentioned the large size messenger boys who called upon us and presented a demand from an unsuccessful Charlotte attorney for an apology for our remarks relative to the fact that he had, at last, discovered a way of

making a living, through the arousing of the passions of employees and against employers.

The demand said that unless we apologized immediately, he "would have the law on us." We indicated that the future home of Kaiser Bill would be frozen over before we apologized, and yet as to the one who said he would bring suit for libel we can only sing, "We have waited, honey, waited long for you." When dealing with bluffers and four-flushers you never know what to expect.

The Work of Children on the Farm.

One of the most important social problems of recent years is child labor. Nearly every state in the union now has a rational child labor law. The child is insured by legal enactment against any industry exploiting his labor during the most important educational period of his life, that below 14 years. At night in many states no child under 16 may work in industrial plants, and in other states no child under 16 may be employed at all. So far the laws seem to be based on a principle of conservation of the child and his development into the best possible adult. But no one can disregard the fact that among the promoters of child labor laws there has been much hysteria which, now that proper laws are secured or in sight, goes on to urge further regulations that strike at the very foundations of society and of ethics, not to say of religion. We are hearing in North Carolina the strange doctrine that children must not be allowed to work in the cotton fields nor in any other productive capacity on the farm. That man and wife must become parents of no more children than they can maintain and educate without necessity of the child's working, and to that end women must be taught to know how to restrict the number of their children. And as a means for all this propaganda we must, they tell us, let women vote.

Our churches and the Christian world should be awake to this seductive but pernicious doctrine. I think no argument is needed to convince our people of North Carolina unschooled in the murderous principles of birth restriction theorists, that there is something criminally sinful in the race suicide contemplated as a result of not allowing children to work. If men and women marry good morals and good politics alike demand that it should be not for a life of concubinage, but for the procreation of children. As Mr. Roosevelt so earnestly insisted any people among whom birth restriction reigns is already a decadent people and because of its violation of nature destined to disappear and make place for the children of a despised proletariat.

One does not have to look further than the states of our own country to see illustration of the truth mentioned in the last paragraph. In New England no longer do the descendants of the Pilgrim Fathers occupy the land. It is now a land

(Continued on Page 42)

Personal News

J. H. Turner, of Piedmont, is overseer of carding at Norris Cotton Mills, Catechee, S. C.

Walter Gibson has been promoted from smash hand to loom fixer at Oconee Mills, Westminster, S. C.

W. P. Teal has been promoted from second hand to overseer of weaving at Oconee Mills, Westminster, S. C.

M. P. Owens, from Newry, S. C., has accepted the position of second hand in weaving at Mills Mill, Greenville, S. C.

C. E. Willis has been promoted from loom fixer to overseer of weaving at Oconee Mills, Westminster, S. C.

J. N. Jewell, of Piedmont, S. C., has accepted the position of superintendent at Norris Cotton Mills, Catechee, S. C.

N. H. McGuire, of Cowpens, S. C., has accepted the position of overseer of weaving at Norris Cotton Mills, Catechee, S. C.

Ted Kinsler of Panola Mills, Greenwood, S. C., has accepted the position of master mechanic at Issaquena Mills, Central, S. C.

C. L. Parris has been promoted from second hand to carder and spinner in rope department, Cherokee Falls Mfg. Co., Cherokee Falls, S. C.

A. G. Patterson has been promoted from carder and spinner in rope department to carder in main mill, Cherokee Falls Mfg. Co., Cherokee Falls, S. C.

W. C. Hyder has resigned his position as second hand in No. 2 Fulton Bag and Cotton Mills, Atlanta, Ga., and is now engaged in farming near Atlanta.

Paul Nuchols has resigned his position at the Exposition Mills, Atlanta, Ga., to take charge of the waste plant of the Indian Head Mills, Cordova, Ala.

I. N. Dunn has resigned as superintendent of the Warren Manufacturing Company, Warrentonville S. C., and is now located at Bamberg, S. C.

A Correction.

We recently published an item that Charlton Oates had been promoted from second hand to overseer of tire duck weaving at the Thomaston (Ga.) Cotton Mills. Mr. Oates writes us that he is department superintendent of No. 3 weaving, twisting, beaming, warping and cloth room, and has held this position about eight months. We are glad to make the above correction.

News From Eufaula.

The following comes from a correspondent in Eufaula, Ala.:

"The Cowikee Mills, of Eufaula, Ala., have recovered from the effects of the tornado, which struck us on the afternoon of March 5. The mill was closed down two weeks for repairs, but is now running full time and getting 100 per cent production.

Our band made its first appearance when it led the parade in the Victory Loan rally last Wednesday, and certainly made good. Since then they have played a number of times for the benefit of the Victory Loan. The director, H. U. Perry, is also the cloth room overseer. The Cowikee Mills bought \$10,000 worth of bonds in the last issue, and a number of the employees bought bonds. Lieutenant Hall of Wright Field, near Montgomery, gave our superintendent, R. D. Jones, and his daughter, Miss Pearle Jones, a ride

in his airship. Mr. Jones was the first man from Eufaula, and Miss Jones the first lady, to view the city from the air.

"Mr. Jones and Miss Pearle and Miss Luth, the lady in charge of our community house, are now attending the Eextile Exposition at Greenville, S. C. From there they will go to Charlotte and other places in North Carolina, making the trip in their car.

"We have one of the nicest community houses to be found, having a splendid library, shower baths, swimming pool, tennis courts, croquet ground and fully equipped playground. Miss Luth is in charge, ably assisted in the kindergarten work by Miss Addie Goolsby.

D. K. Dunn is the overseer of carding and spinning, and H. O. Burness is the overseer of weaving. D. K.

Easley Mills No. 3.

Liberty, S. C.

J. O. Spake Superintendent
John Hunter Carder
C. B. McGraham Spinner
A. P. Smith Weaver
M. M. Roberson M. M.

Easley Mills No. 2. Liberty, S. C.

G. B. Byrd Superintendent
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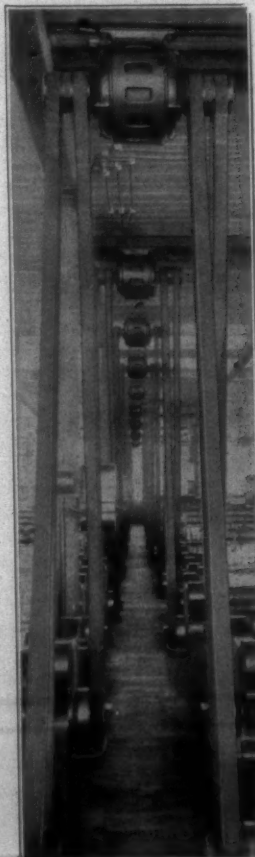
Our special four-frame motor, with all pulleys on one end, allows any spacing between frames and makes it unnecessary to move the frames in electrifying old mills

Send by our new Textile Bulletin

Allis-Chalmers
Manufacturing Co.

Milwaukee, Wis.

Sales Offices in Principle Cities



MI CLEANSER



Invaluable for Scrubbing

Textile Mill Floors

AS GOOD AS THE BEST
and THEN SOME.

Write for Sample, Try it.

Champion Chemical Co.
Asheville, N. C., U.S.A.

Improved Rice Dobby Chain



reduces broken bars to a minimum because the wire eyes do not break into the side walls of the peg holes. The eyelets are fastened so securely that they cannot work loose.

Rice Dobby Chain Co.
Millbury, Mass.
Send Us Your Order To-day

L. L. BARR COMPANY, Greenville, S. C.

Plumbing, Roofing and Heating Contractors

Slasher Hoods

Conveyor Pipe

Roofing

Heating of all Kinds

CONVENTION NOTES

After several years' absence from the South, F. R. Chadwick was found in charge of the Oxweld-Acetefene Company exhibit and his many friends were happy to know that he will return to Charlotte as Southern agent for that company.

Howard Bros. Mfg. Co., of Worcester, Mass., had a walking exhibit in E. M. Terryberry, but it was some exhibit both in size and quality. The smile and handshake and perpetual good humor of "Terry" makes him a welcome visitor wherever he goes.

Allen Deas, of Atlanta, Ga., the popular representative of the Crescent Waterproofing Company, of Chicago, and the Bestoprick Mfg. Co., of Cincinnati, was present to meet his friends.

Phil Sullivan, the popular representative of the Metallic Drawing Roll Company, of Indian Orchard, Mass., arrived on Monday and spent the week meeting friends.

W. A. Williams, who had charge of the exhibit of Wadsworth Howland & Company of Boston, Mass., is a Greenville, S. C. man who has recently been appointed as their Southern representative.

B. J. Perkins, of the Daily News Record of New York, was an interested visitor.

M. C. Newman, of the Atlanta branch of the B. F. Goodrich Rubber Company, was present to meet his friends. He is connected with the mechanical goods department of that company.

J. Kirk Rowell, Southern representative of the American Kron Scale Company, announced that the district office would on June 1st be transferred from Louisville, Ky. to Atlanta, Ga.

F. S. Klebart and L. R. Yancy of the J. B. Ford Company of Wyandotte, Mich., were around shaking hands with their friends.

It was announced at the Exposition that the Knoxville Spinning Company of Knoxville, Tenn. would build an addition of 10,000 spindles.

Geo. G. Brown of the David Brown Company and the Union Shuttle Company was present at the Exposition. He is a son of David Brown, who formerly visited the South regularly and enjoyed a large circle of friends. They manufacture high grade bobbins and shuttles.

Paul Nichols of Atlanta, among the first mill men to reach the Southern Textile Exposition. He has just resigned as overseer of

carding at the Exposition Cotton Mills at Atlanta, Ga., to take charge of the waste department of the Indian Head Mills at Cordova, Ala.

J. S. Drake, superintendent of the Exposition Mills, Atlanta, Ga., and Frank G. North, Georgia and Alabama representative of Arnold, Hoffman & Co., drove through from Atlanta in Mr. Drake's car accompanied by Mrs. Drake and Mrs. North.

Harry S. Roberts, for 12 years in charge of the textile end of the Atlanta office of the General Electric Company, was at the Exposition as a representative of Lockwood, Greene & Co., with whom he has recently become connected.

New Era Between the Sections.

(Continued from page 33.)

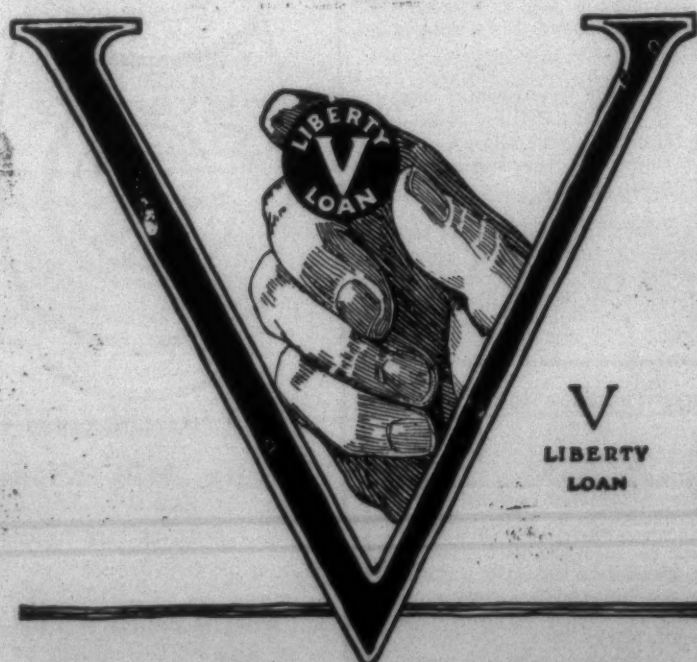
on account of the latter's indebtedness, to do but hold the supply for a steadier and more active demand. If the farmers and merchants could have sold they would have been obliged to accept prices much below the cost of production and purchase and would have by such action precipitated a ruinous panic. Before prices had reacted to anything like a remunerative basis, and before the market had regained a healthy tone, the war came to a close and thereupon another great downward sweep of price movement occurred, which was followed by aggravated stagnation in demand. Stocks in both the farmers' and merchants' hands rapidly increased. Withholding these supplies from sacrifice sale was not a program of speculation, but the desperate means of self-preservation. Sustained by the expectation that foreign trade would be opened, and that foreign demand would help to relieve the weight of the burden they were carrying, the spot holders held grimly on. When after the expiration of some three months no appreciable relief in this regard had come or was in immediate prospect, and as the new planting season approached, the farmers, merchants and bankers of the South, carrying an almost crushing load of accumulated supplies, realized that something summary must be done in order to preserve themselves from disaster, to avert a crippling blow to the cotton producing industry and thereby insure to the world a reasonable supply of raw material produced by a prosperous people. If the farmers and merchants had been compelled to throw their holdings upon the market pending the planting season, or if they had been guilty of the folly of planting for an over-supply while their present great holdings were unsold, through the disaster that would surely befall them, they and the whole cot-

ton using world would suffer and no one would be benefitted except perhaps a few bear speculators. This critical situation was the genesis of the holding and acreage reduction movement the South is pressing to a successful conclusion.

Under the existing conditions the holding of the surplus, pending the opening of foreign trade avenues and the readjustment of domestic trade conditions, is not a movement of speculative profits but a plan of self-preservation. Under the present condition of trade dislocation and the prospective tedium of trade rehabilitation, because of which considerations the world is not able now to absorb the present surplus and will not for a few years at least reach the maximum pre-war consumption, the curtailment of surplus cotton production which the world does not want and the planting of the minus acreage in food and feed crops which the world does want and which it must have, is not only an economic necessity but a patriotic measure. If we supply the world with what cotton it needs and can absorb at a price reasonably profitable to the producer, and if we utilize our surplus of land and productive faculty in adding to the insufficient supply of food, we will do ourselves and humanity an infinitely better service than if we planted our lands in the one crop and went broke by trying to pay famine prices for food and feed stuffs with the proceeds of cotton sold at prices below the cost of production. We have no wish or design to cause the cotton manufacturing business to become unprofitable, nor to cause the prices of the manufactured product to the public

to be unduly raised—we're simply trying to adjust the cotton producing business to the new conditions and by putting this business upon a sound economic basis we believe and know that we are not only saving ourselves, but we are adding to the wealth of the nation and benefitting the cotton using world at large.

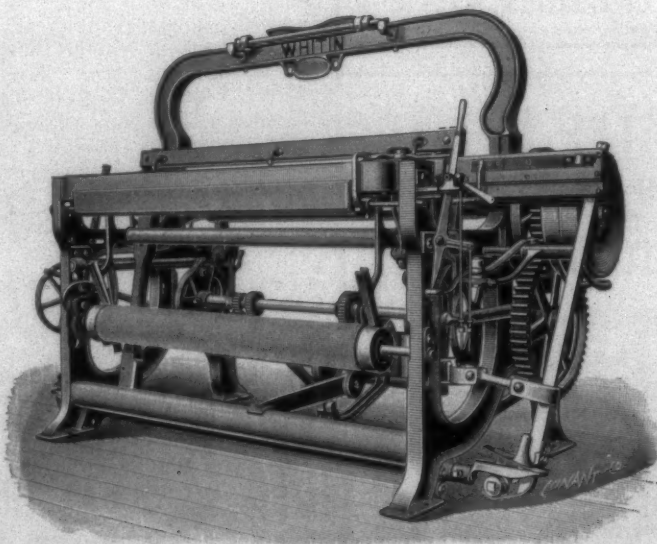
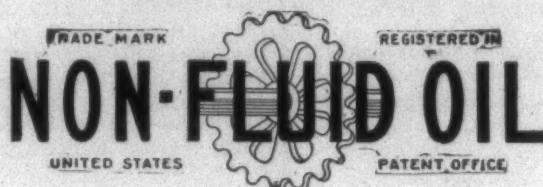
And now let us rejoice in the fact that there is in this country no north or south or east or west except for the purpose of geographical designation. Let us celebrate the militant determination of the business men of all sections and all divisions to unite forces and bore through the impending complex and stubborn problems for the larger prosperity of the people and the greater glory of the nation. But let us strive to make sure that the sentiment of co-operation shall be rooted in common and sympathetic understanding in order that it may crystalize into a permanent rule of action. Government administration and mal-administration of essential industries, and the officious and inept meddling of government with essentially private lines of effort in time of peace and in a country of unlimited opportunity for legitimate individual business activity which is the only force in the body politic which can supply continuous employment to the masses of the people and bestow thereon the blessing of prosperity and content. In this situation of menace and threat, and of infinite possibilities for both good and evil, the business interests and the business men of the United States cannot afford to dissipate their force in misunderstandings, bickerings and reprisals.



Have You YOURS?

Logical Loom Lubrication

A00000



Sole Manufacturers

**New York and New Jersey
Lubricant Company**

165 Broadway, NEW YORK

Lewis W. Thomason, Southern Agent

Charlotte, N. C.

WAREHOUSES

Atlanta, Ga.

E. P. BURTON LUMBER CO.
BOX SHOOKS
 CHARLESTON, S. C.

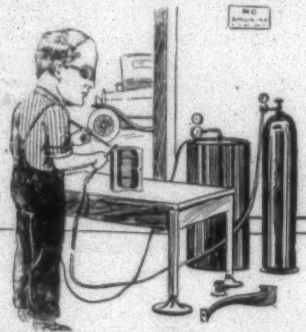
The Mark of
 Sterling Value
 in Electrical
 Work.



Huntington &
 Guerry
 GREENVILLE
 South Carolina

Carolina Steel Roller Shop

W. N. Sharp and T. H. Sahms, Proprietors
 REPAIRERS OF COTTON MILL MACHINERY
 STEEL ROLLERS RE-NECKED AND RE-FLUTED, SPINNING
 SPINDLES RE-POINTED AND STRAIGHTENED
 417 N. Marietta Street GASTONIA, N. C.



**Conserve by
 Repairing Parts**

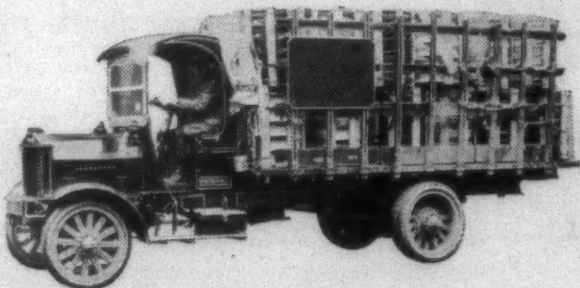
The best equipped Oxy-Acetylene
 Welding Shop in the Carolinas.
 No job too heavy for our equipment.
 Send us your broken castings for
 prompt service.

Cotton States Wagon Co.
 Near Southern Passenger Station
 CHARLOTTE, N. C.

ANOTHER FEDERAL

1 to 5 TONS

A Basis for Successful Business



A motor truck basis for the
 Allied Armies proved essential
 to the winning of the war. A
 motor truck basis is just as ne-
 cessary in your business. Speed
 up to success with Federal.
 Traffic News tells you how
 others succeed. Ask for it.

Charlotte Motor Car Company
 Charlotte, N. C.

Distributors for
 Federal Motor Truck Company, Detroit

Seen At the Textile Exposition.

Victor Ring Traveler Co.

The Victor Shaw Traveler Com-
 pany showed a full line of their
 goods. Their booth, which was in
 charge of A. B. Carter, was attrac-
 tively arranged.

Duncan Mills.

The Duncan Mills of Greenville,
 S. C., showed a loom in operation
 and also an exceedingly beautiful
 line of their shirtings. It was an
 exhibit that attracted much atten-
 tion.

Woodside Cotton Mills.

The Woodside Cotton Mills exhibit
 several bales of their high grade
 sheeting and also samples upon a
 leaf board.

Central Electric Co.

The Central Electric Company of
 Chicago, Ill., exhibited a line of
 Maxolite electric lights, featuring
 the diffuser. They also showed
 heavy duty plugs of the Ralco line.
 R. E. Perry and A. L. Arenberg were
 in charge.

Jordan Manufacturing Co.

The Jordan Manufacturing Com-
 pany of Monticello, Ga., and Toc-
 cane, N. C., exhibited a beautiful
 line of roving bobbins, skewers, cap
 butts, underclearers, etc. A. D. Ro-
 per, assistant secretary and treas-
 urer, and Charles H. Jordan were in
 charge.

The Permutit Company.

The Permutit Company exhibit-
 ed on the first floor, spaces No. 52
 and No. 53, and the exhibit will con-
 sist of photographs of "Permutit,"
 water softening, water filtration,
 and iron removal from water, equip-
 ment and other forms of their water
 rectifying apparatus. They also
 displayed cards that gave a list of
 installations of their apparatus
 in the South and cards that explain
 what their apparatus accomplishes,
 the benefits of using their apparatus
 in textile mills and boiler plants, and
 a complete list of the kinds of ap-
 paratus they manufacture.

Their Southern States represen-
 tative, C. C. Harding had a small
 piece of demonstrating equipment
 at the booth, which provided in-
 terested parties with the privilege
 of seeing their water softened and
 of testing the softness of the treated
 water.

U. S. Gutta Percha Paint Company.

The U. S. Gutta Percha Company
 showed a large white barrel paint-
 ed with "Barreled Sunlight—Rice's,
 the Original Mill White"; also pan-
 els painted with the same.

They had also a reproduction
 of their advertisement "Turn on the
 Sun." This advertisement repres-
 ents the picture of a hand taking
 the roof off a plant so that the sun
 can shine into every gloomy corner
 of a factory. This is what "Barreled
 Sunlight" will do when applied to
 ceilings and side walls.

J. S. Palmer, Southern represen-
 tative, was in charge of the ex-
 hibit, and A. S. West, their General
 Sales Manager, was in attendance.

Electro Bleaching Gas Company.

The exhibit of the Electro Bleach-
 ing Gas Company, 18 East 41st street,
 New York City, pioneers and leading
 manufacturers of Liquid Chlorine
 for commercial purposes was an
 attractive and interesting one.

It was in charge of James B.
 Duggan, who has represented the

company as their expert in the tex-
 tile field ever since its organization.

The exhibit showed cylinders
 of Liquid Chlorine of 100 pounds ca-
 pacity as shipped from the plant of
 the company at Niagara Falls, N. Y.,
 to the mill owner to use for bleach-
 ing purposes.

There was a complete and in-
 teresting display of raw and finished
 bleached textiles.

The E. B. G. brand of Liquid
 Chlorine is widely known as the
 "100 per cent Bleach" and visitors
 at the exposition are invited to ar-
 range with Mr. Duggan for a free
 demonstration at their mills.

**Lombard Iron Works and Supply
 Company.**

The Lombard Iron Works and
 Supply Company exhibit consisted
 of textile supplies, advertising liter-
 ature, etc. They also showed a line
 of iron and brass mill castings.
 Their section was No. 511 and was in
 charge of James Brotherton.

The Lunkenheimer Company.

The Lunkenheimer Company ex-
 hibited in booth No. 337.

Lunkenheimer Bronze and Iron
 Valves in all the patterns suitable
 for use in the textile industry, to-
 gether with Oil and Grease Cups,
 Oiling devices, etc., were on dis-
 play.

The exhibit was in charge of Jas.
 R. Anderson.

Chicago Fuse Manufacturing Co.

The Chicago Fuse Company's ex-
 hibit was found in space 311 and
 was in charge of their represen-
 tative, J. A. Swanton, who covers
 that territory with headquarters in
 Birmingham, Ala. Mr. Swanton is
 well known and well liked by the
 electrical trade in that territory as
 he has been in the business for
 about fifteen years and is well post-
 ed and thoroughly familiar with the
 conditions.

They had on exhibition, sam-
 ples of various lines of fuses in-
 cluding their well known Union
 Cartridge fuses, both renewable and
 non-renewable, as well as samples
 of their various styles and sizes of
 Union Cut-Out blocks, both porce-
 lain and slate and their switch and
 outlet boxes. Particular emphasis
 was laid on the exhibition of Union
 Renewable Fuses.

A very interesting feature of their
 exhibit was their "treated link"
 fuses. These fuses burn a wider
 strip when they blow out and the
 danger of fire is eliminated.

Crouse-Hinds Company.

Exhibit consisted of representa-
 tive samples of their very large line
 of conduit wiring devices, known in
 the trade as condulets. They also
 showed their latest type of safety
 switches. They featured a loom
 control switch which was a very
 efficient safety switch. G. F. Mer-
 gell, Washington, D. C., and G. J.
 Fleischer, Philadelphia, Pa., were in
 charge.

Atherton Pin Grid Bar Company.

The Atherton Dead Plate and Pos-
 itive Split Lap Preventer, and Ath-
 erton Adjustable Pin Grids were
 shown by this company. They fea-
 tured a new model of their grid bar.
 L. D. Armstrong of Providence, R.
 I., was in charge, assisted by A. G.
 Laughbridge of Greenville and D.
 M. Lashley of Spray, N. C.

(Other exhibit notices will be found
 elsewhere in this issue.)



Barreled Sunlight

"Highest Price In The Barrel—Lowest Cost On The Ceiling"

A leading contractor's tabulation of comparative costs of different "Gloss Mill Whites" based on four large factory contracts

Selling price per gallon	Painter's time spreading one gallon	Cost of one gallon applied to ceiling	Square feet covered per gallon	Comparative actual cost of covering 420 Square feet
"BARRELED SUNLIGHT"—GLOSS RICE'S—THE ORIGINAL MILL WHITE \$2.75	3 hrs. 10 minutes at 60c an hour \$1.90	\$4.65	420 (100%)	"BARRELED SUNLIGHT" 100% \$4.65 \$4.65
X's Mill White—Gloss 2.40	3 hrs. 50 minutes at 60c an hour \$2.30	4.70	353 (84%)	X's M. W.—16% more paint and labor must be paid for at \$4.70 5.45
Y's Mill White—Gloss 2.35	3 hrs. 55 minutes at 60c an hour \$2.35	4.70	344 (82%)	Y's M. W.—18% more paint and labor must be paid for at \$4.70 5.55
Z's Mill White—Gloss 2.15	4 hrs. 5 minutes at 60c an hour \$2.45	4.60	322 (79%)	Z's M. W.—21% more paint and labor must be paid for at \$4.60 5.57

These figures are based on four complete jobs—not on barrel or gallon samples. The full time of all the painters is figured in. This tabulation clearly shows that the price per gallon of "gloss" mill whites is no index of their real cost to you. It shows just how Barreled Sunlight, though it costs most per gallon in the barrel, cost you least per unit of ceiling space covered. The low cost on the ceiling is due to the ease of flowing and greater spread, for which our exclusive process of treating oils and the purity of our special pigments are responsible. But the tabulation take no count of the most important economy of Barreled Sunlight—its lasting quality. Because it remains white longer than any other, Barreled Sunlight represents a constant saving far greater than these figures show.

U. S. GUTTA PERCHA PAINT CO., 20 Dudley St., Providence, R. I.

MILL NEWS ITEMS OF INTEREST

Brookford, N. C.—A new weave shed will be built by the Brookford Mills and new machinery installed.

Greenville, S. C.—The Caperdow Mills have started work on a two-story frame building of 45 rooms to be used as a rooming house for their employees. A number of houses in the village are also being repaired.

Columbus, Ga.—The Bibb Manufacturing Company has engaged E. S. Draper, landscape architect and city planner, of Charlotte and New York to plan extensive improvements to their mill village.

Gastonia, N. C.—The Dixon Cotton Mills have been incorporated with a capital stock of \$400,000 by A. M. Dixon, J. K. Dixon, W. L. Bathis, E. H. Pegram and O. G. Mason. This is the incorporation of the company recently noted as being organized by A. M. Dixon to build a new mill here.

Granite Falls, N. C.—The Granite Falls Manufacturing Company has retained E. S. Draper, landscape architect and city planner of Charlotte and New York, to lay out a new village and improve their old one so as to secure modern facilities to take care of their new mill which is now under construction.

Gastonia, N. C.—G. R. Spencer, J. M. Holland and W. H. Adams, who were recently reported as organizing a new cotton mill company, have incorporated as the Ruby Cotton Mills, the capital stock of the new company being \$300,000. It is reported that the company will have plans drawn and begin actual construction of their mill at an early date.

Kings Mountain, N. C.—The Sadie Cotton Mills, recently incorporated, as noted, have elected the following officers: L. A. Kiser, president; R. L. Mauney, vice president; D. C. Mauney, secretary and treasurer. The company will erect a building to be about 100x200 feet to cost \$25,000. They will install 554 spindles for making 60s and 80s combed peeler yarns.

Table for Sizing Yarn.

George D. Simpkins, of the Manchester Mills, Manchester, Ga., announced that he saw a table worked out for sizing yarn by 2 and 4 bobbins. This table is now in print. It is nicely gotten up for sizing yarns from No. 6 to No. 18. It will be sent to any one sending 16 cents postage and will prove valuable to superintendents and overseers on these numbers.

North Carolina Textile School Enlarging.

West Raleigh, N. C., May 5.—The North Carolina Textile School of the State College has recently issued a profusely illustrated booklet setting

forth full information regarding the courses offered by this department. The textile courses at State College will be enhanced by the installation of \$15,000 worth of new machinery, which makes the school one of, if not the best in the country. Cotton manufacture has made rapid growth in North Carolina in recent years, and textile education has become correspondingly popular. Anyone can obtain a copy of this publication upon request to Prof. Thomas Nelson, West Raleigh, N. C.

Silk Firm Builds Freight Car Vault.

A safe deposit vault for freight cars is an unusual feature of an addition to the plant of Cheney

Brothers, silk manufacturers of South Manchester, for which a contract has just been let to the Abertaw Construction Company of Boston, Mass. The concrete vault, a brick structure with concrete roof, 90 feet long by 16 feet wide, will hold two cars and is equipped with the regulation type of vault door. It owes its existence to the activities of car thieves who are quick to appreciate the possibilities in a car of raw silk guarded only by a watchman.

The Abertaw Construction Company is also building for the same concern a three-story 52 by 80 ft. reinforced concrete, brick-vener concrete, brick-vener approximately 20 carloads of silk. A fea-

ture of the warehouse is the fact that on each floor it is divided into compartments having no intercommunicating doors, each being accessible only from the loading platforms running across the front of the building on each floor and served by an elevator. The building is mechanically ventilated and equipped with sprinkler system. Work is under way on both structures and they are to be turned over to the owners in mid-summer.

C. K. Davis Becomes Southern Representative of Stein, Hall & Co.

C. K. Davis, son of J. M. Davis, superintendent of the Newberry (S. C.) Cotton Mill, has accepted the position of Southern representative of the well known starches and other products of Stein, Hall & Co., of New York. Mr. Davis, who recently returned from the army, is a graduate of Rochester University of Rochester, N. Y., and also had mill experience both in New England and in the South. He received splendid training under his father who has been one of the most successful of the Southern superintendents.

Mr. Davis is exceptionally well qualified for his new work and with his pleasing personality will undoubtedly make a success.

Geo. Witherspoon Grinning Again.

When we got to the office a morning or two ago we found Geo. Witherspoon at the door grinning from ear to ear. George is general representative of the Carolina Size and Chemical Company and is usually a happy man, but about two weeks ago the boiler at the Number 2 plant exploded and then they were unable to fill orders promptly as usual. Mills would wire and phone for Roposize and George got worried, not because of the orders, but because he could not ship the goods same day. He was downcast and would hardly speak to friends on the street.

A new boiler has been installed, the plant running at full blast and orders are being filled promptly now. George is happy again and wanted the Southern Textile Bulletin and his friends to know it.

Jackson Mills Company. Monroe, N. C.

J. B. Knight	.....	Superintendent
G. W. Rose	.....	Carder
C. E. Polk	.....	Spinner
B. E. Willingham	.....	Weaver
W. W. Halley	.....	Cloth Room
J. A. McAlister	.....	M. M.

Issaquena Mills. Central, S. C.

C. J. Tarrant	.....	Superintendent
Thurston Kinsler	.....	Asst. Supt.
W. M. Strickland	.....	Carder
J. A. Thompson	.....	Spinner
W. P. Pepper	.....	Weaver
J. M. Ledford	.....	Cloth Room
Ted Kinsler	.....	M. M.

E. S. DRAPER

505-506 Trust Building, Charlotte, N. C.

Landscape Architect and City Planner

PROFESSIONAL SERVICE IN

- Beautifying Mill Grounds and Mill Villages.
- Laying out New Mill Villages
- Improving Old Mill Villages

We Solicit Your Inquiry

POTATO STARCH

AS WELL AS ALL STARCHES

Tapioca and Sago Flour
Dextrine and Gums

For BLEACHING, FINISHING and
SIZING.

Special Sizings For Special Work

Oxalic Acid and Phenol

STEIN, HALL & CO., Inc.

61 Broadway, New York City

Boston
Philadelphia
St. Louis

Providence
Troy
San Francisco

Chicago
Cleveland
Cincinnati

Southern Representative

C. K. DAVIS, Newberry, S. C.

Norris Cotton Mills.

Catechee, S. C.

J. N. Jewell Superintendent
J. H. Turner Carder
J. C. Davis Spinner
P. O. Wilson
Spooling, Warping & Roller Covering
N. H. McGuire Weaving
J. A. Mauney Cloth Room
E. C. Williams M. M.

Courtenay Manufacturing Company.

Newry, S. C.

J. M. Alexander Superintendent
W. A. Morris Carder
Claud Callas Spinner
C. A. Mattison Weaver
C. C. McJenkins Cloth Room
J. A. Kirby M. M.

Oconee Mills.

Westminster, S. C.

J. L. Dorn Superintendent
E. Timmerman Carder
C. G. Williams Spinner
W. P. Teal Weaver
J. D. Whitmire Cloth Room
W. M. Smith M. M.
T. L. O'Kelly Outside

Hanes Knitting Mills.

Winston-Salem, N. C.

J. V. McCombs General Supt.
W. G. Freeman Carder
E. E. Smith Spinner
C. A. Smith Winding
R. S. Brown M. M.
E. D. Warren
Shipping and Yard Man
M. L. York Bookkeeper

Winnshoro Mills.

Winnshoro, S. C.

J. M. Williams Superintendent
G. H. Lokey Carder
C. R. Lockman Spinner
J. B. Mimms Twisting
G. B. McCombs
Weaving, Beaming and Finishing
B. R. Payseur M. M.
W. S. Thompson Electrician

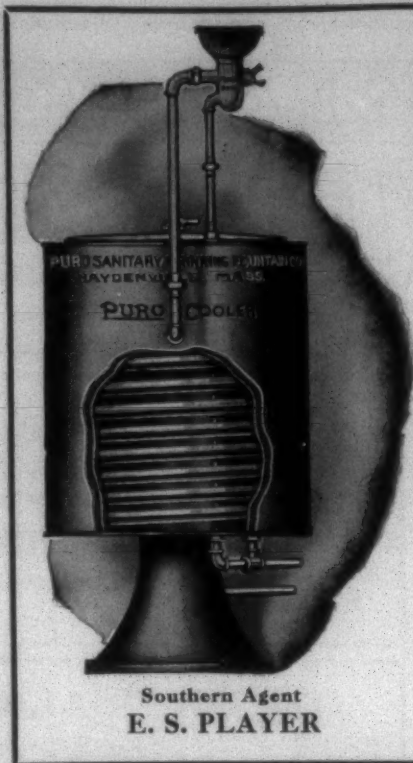
Glenn Lowry Manufacturing Com-
pany.

Whitmire, S. C.

W. F. Howard Superintendent
E. C. Little Carder
R. P. Gossett Spinner
W. F. Ezell Weaver
W. T. Brown Cloth Room
B. H. Herren M. M.

Not the Only Brick.

He was a peppery old gentleman
at the best of times, but as he was
taking a walk one morning he hap-



Southern Agent
E. S. PLAYER

The late ex-President
Roosevelts' motto was

Be Prepared!

Anticipate your warm wea-
ther requirements and order

Puro Coolers

NOW

DON'T DELAY.

40 Feet. Coil Pipe—

Cover with locking device and
rubber washer, making an air tight
Tank—equipped with Puro Sani-
tary Drinking Fountain

**Puro Sanitary Drinking
Fountain Co.**

Haydenville, Mass.

**PLUMBING CONTRACTORS
MILL WORK A SPECIALTY**

Equipped to handle any kind of plumbing
job in plant or village. Can furnish estimates
on short notice. Full line plumbers' supplies.

The J. J. BREEN Co.

Plumbing and Heating Contractors

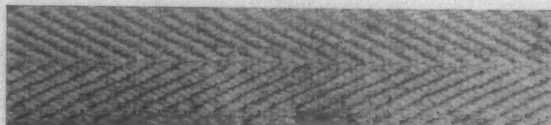
17 West 5th Street

CHARLOTTE, N. C.

AMERICAN TEXTILE BANDING CO., Inc.

Manufacturer

Spindle Tape
AND
Bandings



Hunting Park Ave. and Marshall St. Philadelphia, Pa.

**TAPE
DRIVES**

OUR TAPES ARE ENDORSED BY MACHIN-
ERY EXPERTS. They know their quality and
they know their scientific structure. Exhaustive
tests by practically all machinery makers have
demonstrated that they have no superior.
Write us.

Barber Manufacturing Co., Lowell, Mass.
SPINNING TAPE SPECIALISTS

**"LEATHEROID"
SEAMLESS ROVING CANS**



Cans, Boxes, Barrels
and Superior Mill Re-
ceptacles sold by
Southern Mill Sup-
ply Houses.

Write us direct for
newest catalog.

**ROGERS
Fibre Co.**

Leatheroid Sales
Division

1024 Filbert Street

Philadelphia, Pa.

pened to traverse a road where sev-
eral houses were being built. Sud-
denly something hard descended
with terrific force on his head. He
looked up to the top of the build-
ing, where several men were at
work.

"Here, I say, you fellows!" he
roared. "You have dropped a brick
on my head!"

One of the men looked down.
"Oh, it's all right, guv'nor!" he
cried. "You needn't trouble to bring
it up; we've got plenty more here."

There isn't an old maid in this
country who will admit she can re-
member the Spanish-American war.

**ENGINEERS PLANNING POWER
TRANSMISSIONS**

Secure Data and Estimates of
"MORSE" DRIVES. Save Con-
struction, Space, Light, Fuel. Pro-
ducing More With Less.

MORSE CHAIN CO., ITHACA, N. Y.



DAVID BROWN CO.

Successors to
WELD BOBBIN AND SPOOL COMPANY

LAWRENCE, MASS., U.S.A.

MANUFACTURERS OF HIGH GRADE

Bobbins, Spools, & Shuttles

For Cotton, Woolen, Silk, Knitting
and Carpet Mills

We make a specialty of
Hand Threading and Woolen
Shuttles. Enamelled Bobbins
and all kinds of Bobbins and
Spools with Brass or Tin
Re-inforcements.

Write for quotations.

THE CHOICE OF A HUMIDIFYING SYSTEM

must be one that for simplicity with great capacity and economy in maintenance produces uniformly such conditions that may be determined for the
different requirements of the work. In the American Moistening Company's method of humidifying, all such requirements are GUARANTEED.

Our COMINS SECTIONAL HUMIDIFIERS

Our FAN TYPE and HIGH DUTY HUMIDIFIERS

Our VENTILATING Type of Humidifier (Taking fresh air into the
room from outside)

Our ATOMIZERS or COMPRESSED AIR SYSTEM

Our COMPRESSED AIR CLEANING SYSTEM

Our CONDITIONING ROOM EQUIPMENT

Our AUTOMATIC HUMIDITY CONTROL (Can be applied to
systems already installed)

Our AUTOMATIC TEMPERATURE CONTROL

Are all STANDARDS of MODERN TEXTILE MILL
EQUIPMENTS

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AMERICAN MOISTENING COMPANY

BOSTON, MASS.

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SOUTHERN OFFICE, Empire Building, ATLANTA, GEORGIA

NATIONAL GUM & MICA CO.

910-11 COMMERCIAL BANK BLDG.

MIKAH TALLOW

SWISS GUM

COMBINATION B



CHARLOTTE, N. C.

W. M. FAILOR, Manager

Factory and Works:

59th St. and 11 Avenue, New York City

The Work of Children on the Farm

(Continued from Page 34)

of people of foreign birth. Its religion is no longer preponderantly Puritan or even Protestant. Why? Largely because New England parents had few children.

In the South on the other hand, note the contrast. Our census reports show only a negligible number of people of foreign birth. Our religion remains that of our fathers. The census reports also will indicate the reason. The number of children per family among white people is larger in the South than in any other section of our country. We have not made artificial restriction of the birth rate. Hence the white population of the South has increased almost as fast as that of the North, notwithstanding the fact that the North has received nearly all the immigrants. We are now the Anglo-Saxon element of the nation, and generally recognized as the bulwark of the nation, upon which the waves of Bolshevism, Pan-Germanism, and hyphenated Americanism of all kinds break in vain.

To advise our people to adopt a policy that involves race suicide is horrible. On the other hand our Southern white people should not fear to multiply and replenish the land with people of their own stock. But let us realize once for all that this will be impossible if no household can avail itself of the labor of its children under 16 years of age. The Southern white people cannot continue to have large families if father and mother must do all the productive labor. I suppose that all will admit that either the families must be small or the children must contribute according to their ability to their support. Even the hysterical reformers take this for granted.

And I am happy to believe that such work as the Southern children are doing on the farm and should continue to do, may prove a great blessing to them. It teaches them habits of industry, and not habits of idleness and vice. It need not interfere seriously with their education. I know many a child has been kept from school on the plea that he was needed for work at home. But usually this plea was due to the ignorance or shiftlessness of the parent. With improved laws for compulsory attendance no child should continue to suffer lack of educational advantages. The observation and experience of many people in our state can be appealed to.

I think, to establish the fact that children taught to work are more likely to turn out well than chil-

dren not so taught. I know several families in which there have been eight or ten children, who by their own labor have helped to earn their board and keep, have worked in the cotton and the corn, in planting, cultivation and harvest, and have helped make the family revenues sufficient to send every child through high school and college with respectability.

Accordingly I feel that we ought to send on their way those who are saying that we must not allow the child to continue to help with the cotton crop. The real foes of Southern children are not industry and farm labor, but ignorance and lack of high inspiration for their children, the unsanitary conditions that prevail in many country homes, the lack of proper school facilities, and habits of idleness so often found among both rich and poor children. —G. W. Paschal in Biblical Recorder

St. Onge Adjustable Grid Bar

Removes 25% more dirt without loss of stock
Plain bars or pin bars furnished

BROWN-ST. ONGE COMPANY

A. ST. ONGE, President

Providence, R. I.

Charlotte, N. C.

The IMPERIAL OVERHAULERS

Box 93, Greenville, S. C.

Prompt and efficient service. Will overhaul, remove and repair all parts of worn or broken Textile Machinery. Expert mechanics and shop equipment good.

Specialties—Reclothe Cards and Balance Flyers

Write for further information and reference.

Why pay more when you can pay less?

That is what you are doing when
you clean filler bobbins by hand.

The Utsman Quill Cleaning Machine
is built for service and
mighty rapid service at that.

Let us send you our catalogue
with full description.

Terrell Machine Co., Inc.
Charlotte N. C.

Good Working Conditions Are Not Buried Beneath Ash Heaps and Dirt

Wise executives and superintendents strive in every way to improve working conditions for their employees. Better surroundings keep men happy at their work, which means that increased production is sure to follow. Almost any effort in this direction is good, yet it is certain that in most factories, inside conditions have been bettered, but the outside has been neglected.

How can working conditions really be good, with the grounds of the establishment covered with junk and litter? Really **good** things are good **inside** and **out**! Many factory and mill executives intend to have outside conditions bettered, but because of urgent business the matter is neglected, the intention is good, but time slips along, and before you know it, planting time has passed. Routine matters are finished first, simply because planning better grounds is outside the customary business of the day.

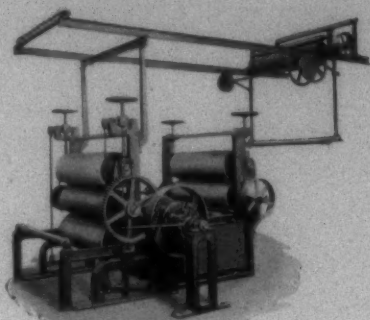
Improved Surroundings Come From Thoughtful Plans.

Let us do the planning for you. Just send us a word or two of your intentions, and an expert from our landscape department will come to your assistance. He can tell you what should be planted and what the finished effect will be. There is no bother, there are no unsatisfactory results because things don't turn out as expected—we know what to expect. The service we give is remarkably complete and efficient.

Our catalogue illustrates much of our work, but of course is not able to present adequately the results of extensive layouts. The work illustrated shows chiefly what has been done to improve private grounds. Factories and mills are even more in need of improvement and this catalogue will give you an idea of the possibilities. Send for it today, and make an appointment with our landscape department.

See our exhibit at the Textile Exposition on 2d floor, space 383.

J. Van Lindley Nursery Company
Pomona, N. C.



SAVING in labor and reduction of costs, as well as increasing the quality of the product, have been marked features in the development of our big line of finishing machinery.

Our experience of 100 years, our corps of expert designers, and our steadfast intention to produce only the most efficient machines, give us confidence in handling any equipment or arrangement problem that you may have.

Send for our Catalogue. At least, let us consult with you on it.

H. W. BUTTERWORTH & SONS CO.

ESTABLISHED 1820

PHILADELPHIA

Providence Office
Turk's Head Building

Canadian Representative
W. J. Westaway Company
Hamilton, Ont., Canada

FINISHING
Butterworth
MACHINERY

DU PONT AMERICAN INDUSTRIES



Sulphogene Blacks

GX, BX, AX

Sulphur Blacks are among the most important dyestuffs used in the cotton industry for obtaining fast blacks. In purchasing these products cotton manufacturers and dyers should give careful consideration to the following features now offered in the Sulphogene Blacks being manufactured by this company on a very large scale.

SHADE—The range of shades offered is such as to satisfy the various requirements—for a greenish cast, Sulphogene Black GX, for a bluish cast, Sulphogene Black BX, and for a reddish cast, Sulphogene Black AX.

¶ *Quality*—The entire manufacturing process is under thorough laboratory control, thus insuring, in every delivery, absolute uniformity in strength and shade, and freedom from those properties likely to cause tendering of materials or spontaneous combustion.

¶ *Quantity*—This product is being manufactured in sufficient quantity to furnish immediate and ample supplies for all requirements and at all times.

¶ *Price*—The price is based on the current cost of raw materials and production. It is fixed as low as possible in order to secure the widest sale and to retain and increase the economies resulting from large scale manufacture.

E. I. du Pont de Nemours & Co.

Dyestuffs Sales Dept.

Wilmington . . Delaware

Branch Offices:

New York Boston Providence
Philadelphia Chicago
Charlotte, N. C.

DU PONT

To The Textile Trade

The period of readjustment from a war to a peace basis, which today confronts the textile mills of America, involves many problems—particularly those concerned with the supply of needed dyestuffs—in the solution of which the house of A. Klipstein & Company is qualified to be of material assistance.

For 46 years we have been engaged in supplying the needs of the textile manufacturers of America for dyestuffs, sizing, finishers and all allied chemicals.

During this period our business has steadily increased in volume, and our commercial connections have been constantly extended. Today we have agencies in practically every market of the world and our own salesmen cover the United States and Canada.

This development has resulted from our consistent adherence to sound business methods—quality products, careful service and fair prices have been the keynote of our success.

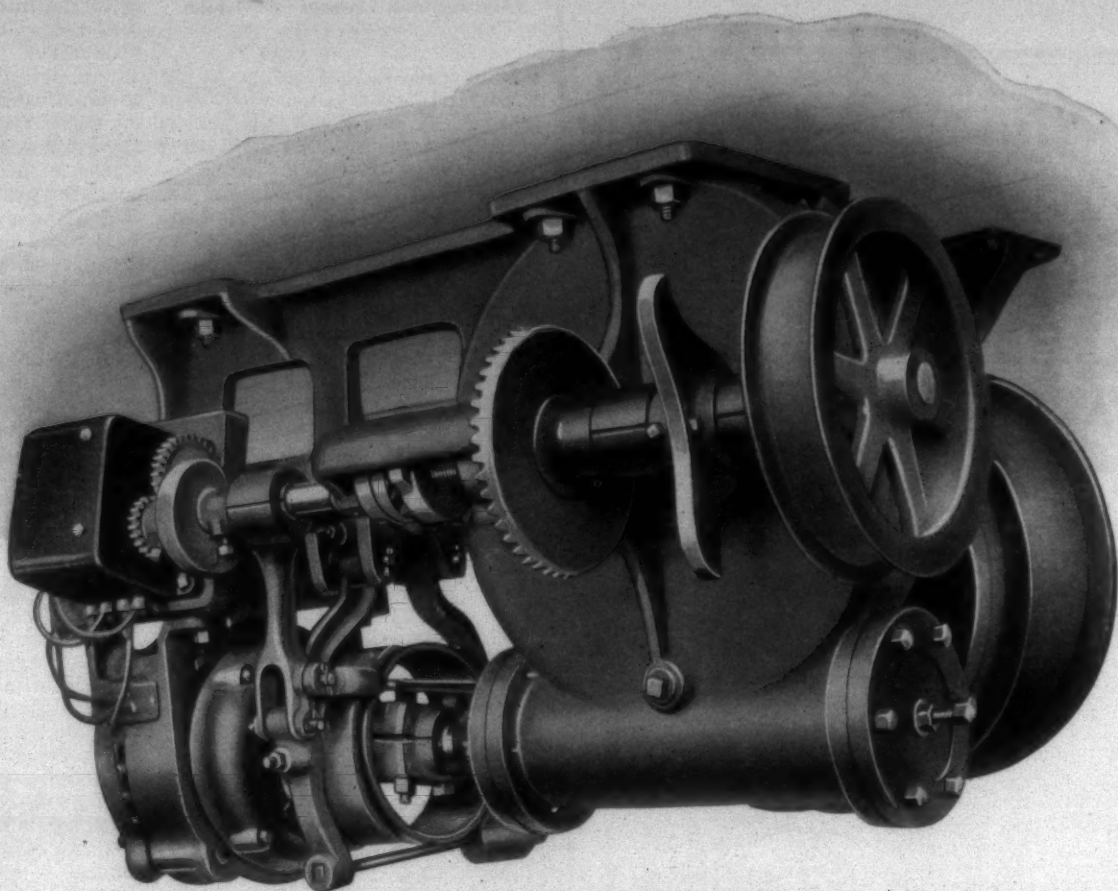
Through our affiliated concerns, E. C. Klipstein & Sons Company and the Bulls Ferry Chemical Company, we have been prominent in the development of an American Dyestuff Industry. Through our associates, the Society of Chemical Industry in Basle, Switzerland, we have been able to supply many of the demands for colors which it has not, as yet, been possible to manufacture successfully in America.

We now extend to the textile mills of the United States and Canada the assistance and co-operation of our organization in solving post-war problems. Our well equipped laboratory and our excellent corps of chemists are at your disposal. Our exceptional sources of supply will facilitate the filling of your requirements for dyestuffs and textile chemicals of every character.

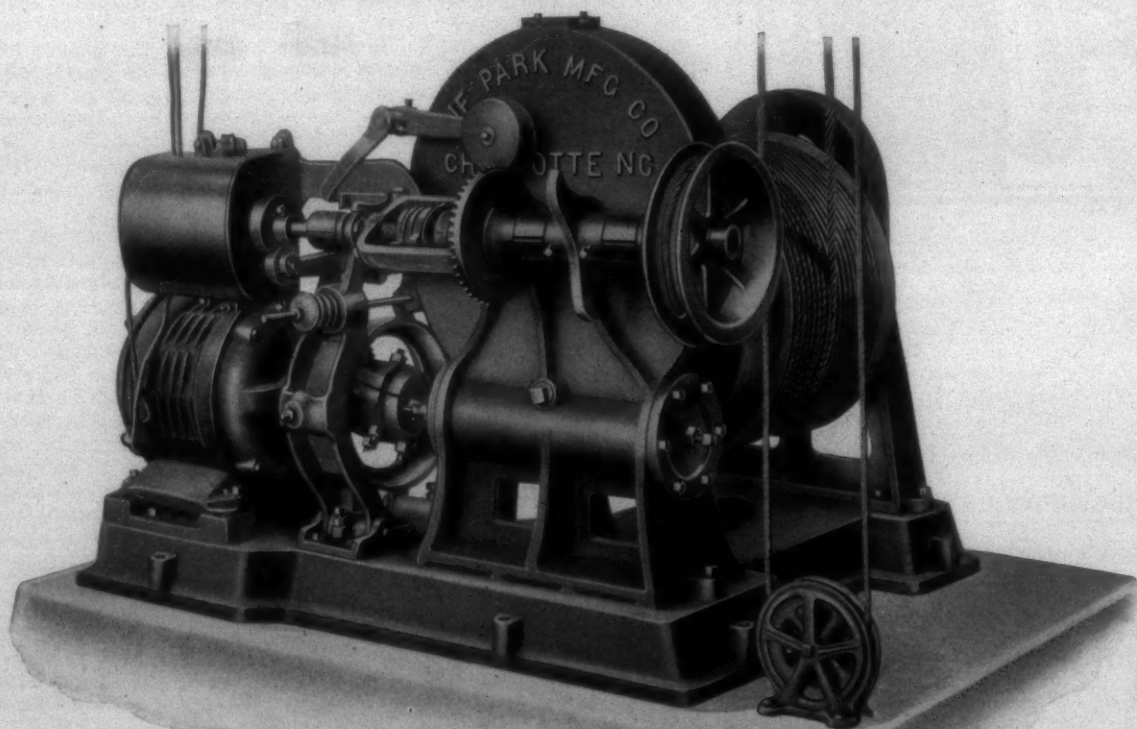
A. Klipstein & Co.

644-652 Greenwich Street, New York City

PHILADELPHIA CHARLOTTE PROVIDENCE BOSTON CHICAGO



CEILING TYPE COMPOUND GEARED DIRECT CONNECTED ELECTRIC ELEVATOR ENGINE



SUB-BASE COMPOUND GEARED DIRECT CONNECTED ELECTRIC ELEVATOR ENGINE

These engines are equipped with the latest improved Controlling Device, and also Shoe Brake, and is compound geared to drum, which relieves the working strain on worm gearing two-thirds, which of course prolongs the life of the main working parts of the engine.

This engine is also equipped with the latest and direct type Electric Reverse Switch, connected to operating shaft, and is mechanically controlled by the engine itself at extreme terminals—both top and bottom.

These machines are built of the fewest number of parts possible, as we all realize the importance of simplicity, and at the same time each part is extra heavy so as to withstand all the abuse that such machines are subjected to.

We are always glad and welcome a thorough investigation at our plant at all times of the perfect parts that are being used in all of our machines, as we fully realize that you cannot produce a first-class article without the combination of first-class material and mechanical effort; and our customers are always glad to vouch for the quality of our product.

The Park Manufacturing Company, Charlotte, N. C., U. S. A.

**We
Manufactured
and
Installed
the
Elevator
in the
Textile
Hall**

"The Way To Better Light"

Means

BUCKEYE NATIONAL MAZDA LAMPS

and Proper Reflectors



SUFFICIENT, well diffused light is necessary if you wish to attain maximum production and efficiency at minimum cost. Let us assist you in getting the proper light that will increase production and reduce your reduction costs.

We have information and prices
that will be of interest to you

Mill Power Supply Co.
CHARLOTTE, N. C.

Urge Cotton Manufacturers to Form International League of Nations.

(Continued from Page 20.)

fuse to lead—if they refuse to cut deeply and deal drastically with the canker of inordinate selfishness which is gnawing at the very heart of humanity—catastrophe must inevitably follow. The idea that everything must be taken for the benefit of any one class, proletarian or capitalistic, peer or peasant, must give way to something more nearly approximating to the Golden Rule and to the practicality of the old maxim "Live and let live"—nay further than that, "Live and help to live."

As a consultation among physicians is often necessary, so is the consultation of representatives of all classes of society necessary to the removal of economic disease from the human race. In this direction, gentlemen, it seems to me that we need not disdain to take a lesson from the British in the great strides they are making toward the establishment of an industrial parliament—the appointment of a body of men equally representative of capital and labor—to settle definitely the relations between the two, and from time to time to make such regulative alterations as may be necessary. The great stumbling block to this plan is the lack of representation of the great body of people who are not definitely connected with either one side or the other and who inevitably suffer in any conflict between the two great branches of industry. Why this third body should not be equally represented I fail to see, and undoubtedly the final outcome will be that all three sections of the populace will have equal representation. Is it an impossibility for us to evolve a similar plan or are we to allow the palm for intelligence and initiative to pass to the British?

"Such a body, in conjunction with the government, could deal with many things:

"It would be broadly enlightening. The calm consideration and discussion of topics which are now matters of dissension, would acquaint every section of the populace with the point of view of the other sections, and would promote a mutual tolerance which would be wonderfully helpful.

"It could deal with the matter of hours of labor in particular relation to the necessities of all industries and enact and enforce strict regulations for the wellbeing of employees.

"It could disseminate and prove the great truths of economics. It could prove in such fashion as

would bring the point illuminatingly to the intelligence of the masses that there is a certain minimum production of necessities below which it is not safe to go in order to avoid famine, and show that any increase over such minimum would mean a decrease in costs and an increase in the margin of productiveness over necessity, which would increase the availability of luxury.

"It could deal with the matter of the necessary minimum wage and settle the percentage over the minimum which ought to be paid in order to provide recreation, amusement and make provision for old age.

"It could so illustrate the necessity for co-operation between employers and employees that the two bodies would be only too glad to join hands and would negative the necessity of compulsion, in the formation of closer industrial relationships.

"Strikes and lockouts would be made unnecessary and illegal, while intimidation might be relegated to the Dark Ages.

"It could make such provision for technical and economic education as would bring opportunity for advancement within the reach of every member of the community.

"In fact, the possibilities of an industrial congress formed along the lines suggested, are practically illimitable—they can be multiplied indefinitely—and there is no reason whatever why a series of industrial parliaments should not be developed throughout the industrial nations of the world. If the League of Nations at present in course of formation is possible, there is no reason whatever why a universal industrial league of nations should not be formed, composed of representatives from each national industrial parliament.

"The leaders of today must not misuse opportunities, nor must all the leading and initiative be left in the hands of unscrupulous fanatics, crazy with the lust for power and for gold. The populations of the nations must be so enlightened, so educated, and so treated, that the ravings of men of Bolshevistic, anarchistic, and intemperate ideals, will only move them to pity and to laughter, instead of to sullen insurrection and dull resentment.

"In the meantime it is all very well for us to say that their motives and methods are wrong, but what are we doing to show the masses what is right? I am convinced that a carefully thought out development of the idea I have so roughly sketched, would have a wonderful effect upon present day industrial relations the world over.

John P. Marston

Gum Tragacanth

Kerston Softener

Bleaching Assistant

Bleacher's Blue

247 Atlantic Avenue

BOSTON

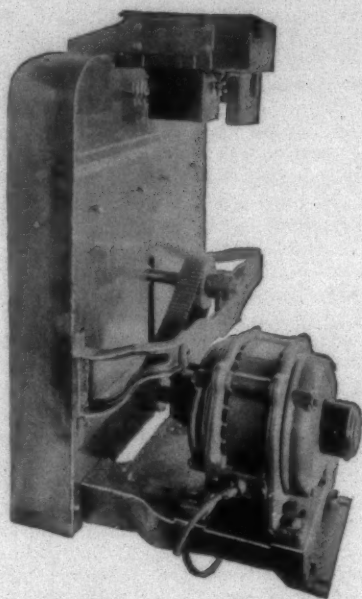
Writing History in Spinning Production

It's the Rocker Joint
—it is no Secret.

99%

**Efficient
Drive**

No greasy oil bath—
Never Slip—
Steady—
Flexible as a belt,
Positive as gears—
Longer life
than either.



Head End Spinning
Frame Drive
Trion Mills, Trion, Ga.

Another
"Morse"
in the

Textile Industry

Write for names of the
Mills that are using
the Morse Rocker
Joint Silent Chain
drive together with
the data of Production

Have you any way of figuring what belt slippage costs? It is usually 3% to 8% in every belt. The older the belt the greater the loss in production.

Whenever you have any special problems with which you feel we can help you, please call our nearest office. Confer with our engineers. A Drive somewhere may need speeding up, or for special service in Dust, Acid Fumes, Gases, Steam or for more power.

Let us have your problem. You will be in no way obligated.

MORSE CHAIN CO.

Largest Manufacturer of
Silent Chains in the World

ITHACA, N. Y.

MORSE ENGINEERING SERVICE

Address Nearest Office

ASSISTANCE WITHOUT OBLIGATION

BOSTON, MASS.....141 Milk Street
CHICAGO, ILL.....Merchants Loan and Trust Building
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DETROIT, MICH.....1003 Woodward Avenue
GREENSBORO, N. C.....805 Ashboro Street
NEW YORK CITY.....50 Church St., Hudson Terminal Bldg.
PITTSBURGH, PA.....Westinghouse Building
SAN FRANCISCO, CAL.....Monadnock Building



ATLANTA, GA.....Earl F. Scott, M. E., 702 Candler Bldg.
CANADA.....Jones & Glasco, Reg'd, Montreal, St. Nicholas
Bldg. Toronto, Traders' Bank Building.
KANSAS CITY, MO.....Morse Engineering Co., R. A. Long Bldg.
MINNEAPOLIS, MINN. Strong-Scott Mfg. Co., 413 Third St. S.
ST. LOUIS, MO.....Morse Engineering Co., Chemical Bldg.

"MORSE" is the Guarantee always behind our Service, Products and Results

Seen At the Textile Exposition.**Clipper Belt Lacer Company.**

The Clipper Belt Lacer Company, of Grand Rapids, Mich., had on display a number of their Clipper Belt Lacers. The advantages of these machines lie in the fact that each operator can lace his own belt. The lacer can be carried to the belt, permitting the lacing to be done without removing the belt from the shaft. Emil Kapprell was in charge.

American Kron Scale Company.

The American Kron Scale Company had an exhibit which featured their cotton bale portable scale.

This scale has been constructed with a view of giving the user a weighing device that is almost indestructible. You can pull this scale over the most uneven floors like any ordinary hand truck without injuring the scale mechanism or destroying the accuracy of the scale.

The mechanism is entirely free from springs, of a self-balancing type, based on the principle of self-sealing; that is, the scale must always indicate the correct weight as long as there is no friction or obstruction in the platform or in any of the vital parts. When a load is placed on the platform, whether carelessly or gently, it is transmitted to the mechanism directly by a non-leakable levers through the draft rod, but the shock itself is absorbed by a non-leakable frictionless dash pot. This dash pot can be adjusted to suit the conditions under which the scale is working by the layman. You can use any kind of liquid in this dash pot, from

water to heavy oil.

The platform is constructed entirely of steel with interchangeable bearings throughout. This is one of the most important features in scale construction. If an accident occurs, you can remove any or all of the bearings and replace them in less than half an hour, or in a very short time, in the field without returning the levers or platform to the factory, which is common with other automatic scales.

J. Kirk Rowell Company, of Louisville, Ky., is Southern representative for this scale.

F. V. Atlee, district manager for North Carolina, Virginia and Maryland and Grover Connor, of the service department, were also present.

National Lamp Works.

The National Lamp Works exhibit consisted of a rack of lamps arranged to show late developments in the lamps themselves. This displayed lamps which are most generally employed in industrial lighting. Another rack showed the most approved reflector equipment for use with the lamps, including the Reflector-cap unit so well adapted for industrial plants where avoidance of glare is very important, the Ivanhoe Ave (1350), a late and very efficient design of the semi-enclosing type of unit, and the RLM dome reflector. To emphasize the need of proper selection, and to offer an example of bad practice, a flat reflector with a bare lamp was also shown.

Small exhibits were used to point out the result of some common faults found in lighting system design. One exhibits demonstrat-

ed the effect of improper intensities upon illumination; another, the effect of glare upon an otherwise satisfactory lighting system; and a third, the effect of shadow in the perception of objects in their three dimensions. A ribbon booth, illuminated with several different lamps, ranging from carbon to "daylight," was used to show the great variation in colors under artificial illumination and to illustrate the importance of using the "daylight" lamp in industrial and commercial work which requires strict color discrimination.

To bring the advantages of modern industrial lighting at "productive intensities" before the eyes of the interested public by means of lantern slide projection, a stereomograph was included. The foot-candle meter was displayed and demonstrated. This instrument is widely used to measure the illumination intensities commonly found in artificial lighting installations. It is an instrument so simple that anyone can operate it, so light and compact that it can be carried anywhere, and sufficiently accurate to be of real practical value. A selective chart which aids materially in the accurate selection of reflecting equipment was also featured.

The exhibit was in charge of Mr. Ward Harrison, illuminating engineer of the National Lamp Works, who was present at the exposition, May 5th and 6th. Mr. J. M. Ketch, the illuminating engineer of the company, was present one day.

Otis Elevator Company.

The Otis Elevator Company secured space numbers 337, 338 and

339, each space being 5 by 10 feet. Their exhibit consisted of one of their Single Wrap Traction Type Direct Connected Electric Freight Elevator Machines, wired for operation. They also had controller parts cabinet, rope lock, worms and gears, thrust plates and various other items and details of the machine. C. L. Trussell, Atlanta, Ga., was in charge.

Baltimore Belting Company.

The exhibit at the Exposition consisted of a display panel on which were shown various leather specialties for textile mills and some of the raw material from which they are made. There were also a number of rolls of the leather belt in sizes and styles most in demand by those attending the show.

The exhibit was in charge of R. V. Whitener, manager of the Southern branch at Spartanburg, who has represented the company in the South for the past twelve years. He does not travel regularly and welcomed this opportunity to see his old friends.

Charles B. Iler of Greenville, representing the Southern branch in the Carolina's, W. H. Fisher who covers Georgia and Alabama, and James A. West, Jr., traveling Virginia and North Carolina from the factory direct were also in attendance.

L. L. Barr Company.

The exhibit of L. L. Barr Company, Greenville, consisted of plumbing fixtures for mill buildings and villages. Also sheet metal work and heating.

(Other exhibit notices will be found elsewhere in this issue.)

The Best "Want Ad" in the World

is better living conditions. Equip your mill village with modern improvements and watch results.

Write us today for plans and specifications. We have just completed the O. Henry Hotel contract.

HUNT BROTHERS

PLUMBING CONTRACTORS

GREENSBORO

NORTH CAROLINA

Better Living and Sanitary Conditions a Great Labor Asset

Efficiency depends upon it. The higher-class labor is attracted by it. We are equipped to handle any contract in sidewalks, plumbing and installation of complete water and sewerage systems.

Talk it over with us. The following letters will give some idea of the class of work we have done.

STUART W. CRANER, PAUL W. HALL, WINDHAM, N. C. 27884, CLEVELAND D. WELCH, 27707, P. E. MOORE, 28047, A. H. GUION, 28043



Mays Mills, Inc.

Maywarth, N. C. 4/7/19.

Sou. Textile Bulletin,
Charlotte, N. C.

Gentlemen:

In reply to your letter of the 4th. Beg to say that we are very much pleased with the work and the manner in which it was done of A. H. Guion & Co., who installed our sewerage system. We think Mr. A. H. Guion very capable engineer, and conscientious in his work.

Yours very truly,

MAYS MILLS, Inc.

C. Welch
Agent.

NO 7538
THE CITIZENS NATIONAL BANK

ANDREW E. MOORE, President, C. B. SANDSTROM, Vice President, W. H. ADAMS, Cashier, JOHN R. HUNTER, Jr., Asst. Cashier

GASTONIA, N. C. Apr. 29, 1919.

Mr. Chas. V. Hurd,
Southern Textile Bulletin,
Charlotte, N. C.

Dear Sir:

I should have replied to your letter of April 24th before this. The day I received your letter, however, I had to go out of town and have just gotten back.

I let a large contract for sidewalk paving to A. H. Guion & Company for the city of Gastonia. Their work was entirely satisfactory.

Hoping that my delay has not inconvenienced you, I am

Yours very truly,

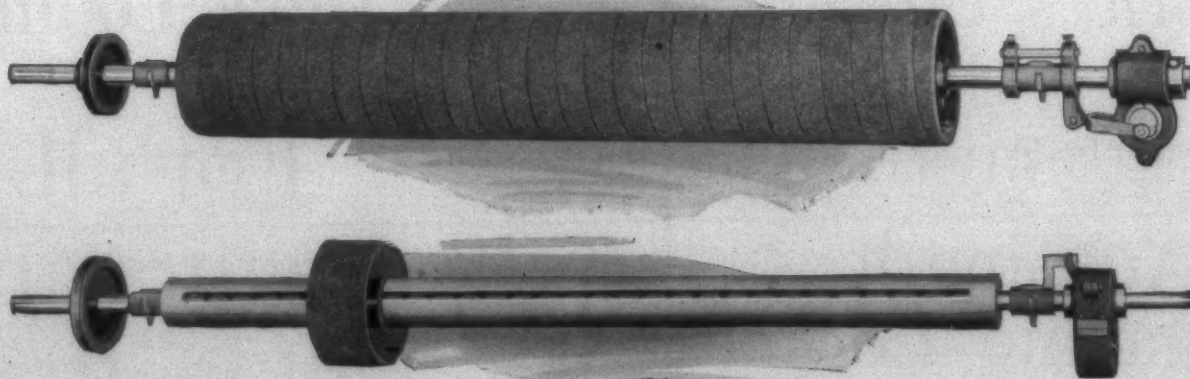
Andrew E. Moore

Dictated by Mr. Moore
but signed in his
absence.
AEM/S

A. H. Guion & Company,

Gastonia, N. C.

ROY GRINDERS



Roy Grinders—"King" of Grinding Machines—are made by an organization that has concentrated on the manufacture and improvement of Grinding Machines for Textile Mills exclusively.

WRITE FOR DESCRIPTIVE BULLETINS

B. S. ROY & SON COMPANY

Established 1868

WORCESTER, MASS.

Weaving Machinery

Bobbing Strippers

The ideal machine for properly cleaning waste from bobbins, without injury to the bobbins.

Gingham Looms

The Standard Loom for the world's output for the Gingham trade.

Automatic Magazine Loom,
2-4-6 colors filling

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Warp Stop Motion

The Simplest and Most Efficient Warp Stop Motion in use.

Cotton } Warps
Worsted }
Silk }

Duck Looms

For all weights and all widths Duck

WORCESTER, MASS.

Providence, R. I.

Philadelphia, Pa.

Paterson, N. J.

ALEXANDER & GARSED, Charlotte, N. C., Southern Representatives

The Development of an Idea

Requires Time—Thought—Study—Experience

The first automobile was a crude piece of mechanism compared with the smooth running, high-powered motor car of today. The same is true of fuses.

We have been making "UNION" Fuses for THIRTY YEARS. Each year has contributed some improvement, either in construction, or design or both. Building step by step we have developed the

"UNION" Renewable Fuse

—a fuse which includes the *latest* development in fuse engineering yet has thirty years of fuse manufacturing and study of fuse requirements behind it.

Both mechanically and electrically the "UNION" RENEWABLE FUSE is superior. It stands for *safety—dependability and low maintenance cost.*

The "UNION" RENEWABLE LINK blows without violence or viciousness — thus increasing the life of the casing—a highly important feature.

"UNION" RENEWABLE FUSES will reduce your fuse maintenance cost as compared with the use of any other renewable fuse on the market.

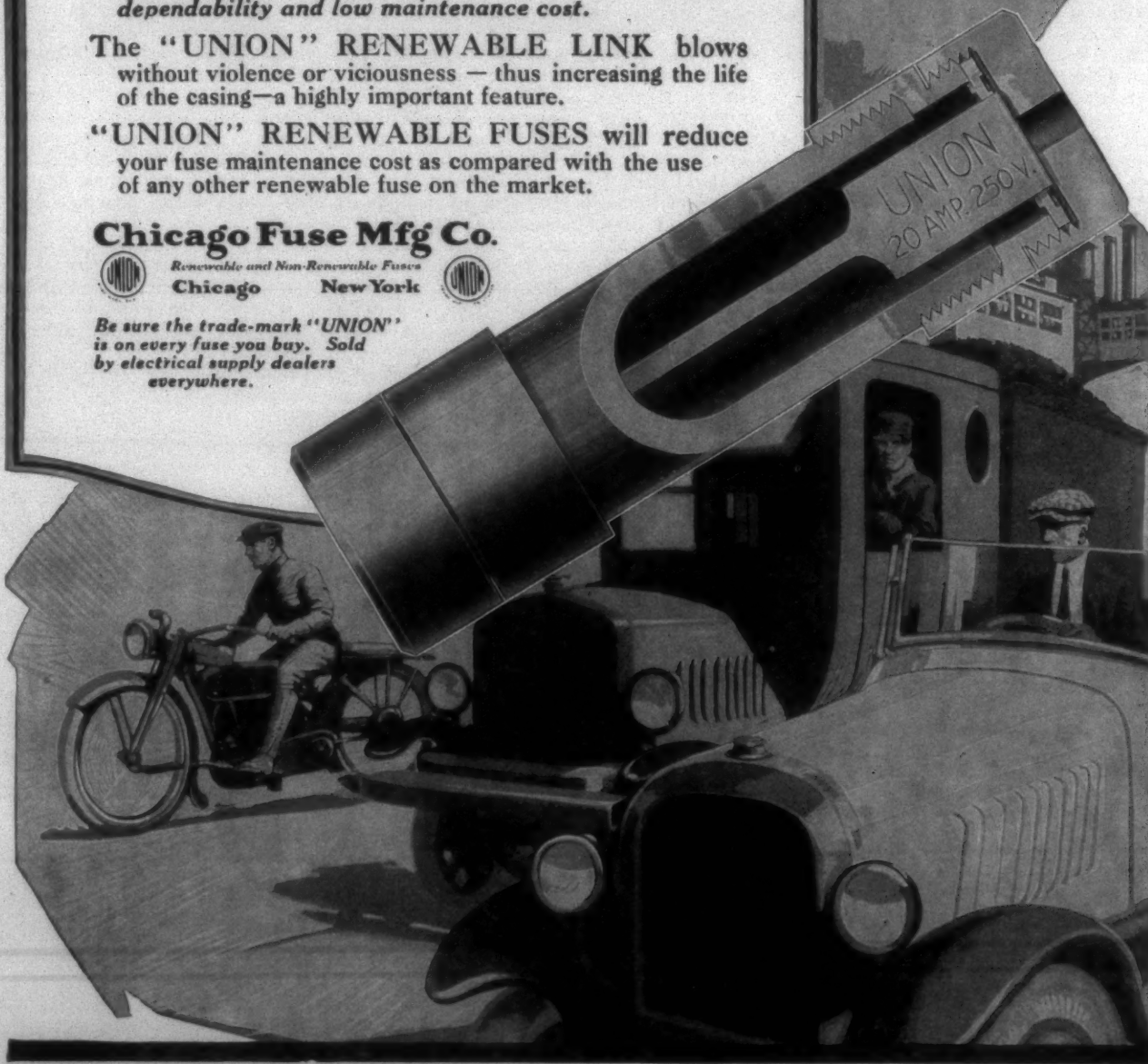
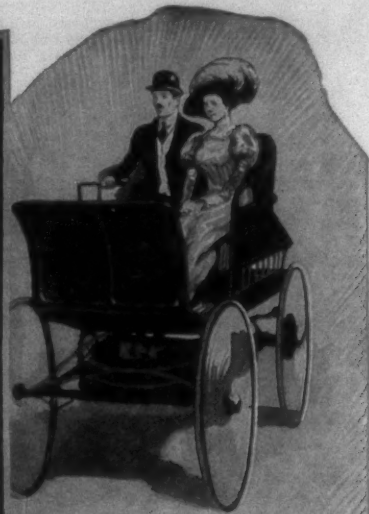
Chicago Fuse Mfg Co.



Renewable and Non-Renewable Fuses
Chicago New York



Be sure the trade-mark "UNION" is on every fuse you buy. Sold by electrical supply dealers everywhere.



SIZINGS, OILS, FINISHINGS, SOFTENINGS, FILLING AND WEIGHTING of YARNS, FABRICS and RAW STOCK. Also HOSIERY FINISHING and BLEACHINGS



Sizing, Tallow, Soluble Grease, Soluble Oils, Gums, Glues, Gum Arabol, Lancashire Size, Waxes, Finishing Pastes, Soaps, Glycerine, Ready-made Heavy Size, Sago and Tapioca Flours, Dextrines, China Clay, Soluble Blue, Bone, Grease, Magnesium.

SPECIAL COMPOUNDS FOR WARPS, WHERE STOP MOTIONS ARE USED.

WEIGHTING COMPOUNDS FOR COLORED AND WHITE WARPS. FINISHING COMPOUNDS FOR ALL CLASSES OF FABRICS.

The Arabol best grades of cotton warp sizing compounds make the "finest weaving and will hold the fly."

These compounds are based on the best practical experience and the best materials used in their manufacture.

THE ARABOL MANUFACTURING COMPANY

Offices: 100 William Street, New York.

SOUTHERN AGENT: CAMERON MacRAE, Concord, N. C.

R. P. GIBSON, South Carolina Agent, Greenville, S. C.



Factories: Brooklyn, N. Y.

GUY L. MELCHOR, Ga., Ala. and Tenn. Agent, Atlanta, Ga.

Greenville Iron Works.

The exhibits of the Greenville Iron Works at the Southern Textile Exposition showed gray iron castings, but as they manufacture castings for the cotton mills, and many of the mills had their machinery on exhibit, it was their plan to place a card saying that this casting was manufactured by the Greenville Iron Works.

Hunter Manufacturing & Commission Company.

This progressive firm is rapidly developing and expanding their trade in foreign fields to such an extent that they have today earned the title, "World Wide Distributors of Cotton Fabrics." Practically all of their fifty-two cotton mills are located in the South.

They showed in their exhibit a large relief map of the world on which was indicated their nine domestic offices, their eight foreign offices, and the fourteen foreign localities in which they have direct agencies. It was of interest to their mill representatives and other friends in the textile industry, to see graphically the many channels through which their mill products are distributed.

There were displayed on either side of the entrance an exact reproduction of the Statue of Liberty,

including the "Light the kaiser couldn't put out." Comfortable lounging corners occupied the remainder of the booth and telephone service was maintained for all visitors.

The Hunter Company's exhibit located in sections 217, 218 and 219, was located in sections 217, 218 and 219, and was in charge of Mr. and Mrs. Robert F. Bowe, and Mr. Samuel F. Gibson, both from their New York office.

Felt & Tarrant Mfg. Co.

The prospective purchaser of an adding machine does not care much about the mechanical features involved in its construction.

All this was shown in a very practical way in the Comptometer exhibit of Felt & Tarrant Manufacturing Company under the supervision of Walter E. Sloan of Charlotte, N. C., assisted by Miss Lina White. Mr. Sloan is thoroughly familiar with the problems of the cotton mill accountant and demonstrated how much work is handled on the Comptometer. Visitors, especially office men, were invited to submit problems of their own for solution—any kind of problems from any department of accounting.

A. D. Davies, Southern sales manager and J. C. Robinson of Columbia were also present.

The Park Manufacturing Company

The Park Manufacturing Company, Charlotte, exhibited at the Southern Textile Exposition one Ceiling Type, and one Floor Type, Direct Connected Electric Elevator Hoisting Engines, each equipped with latest improved Controlling Devices, Shoe Brakes, and Compound Geared to drums, which relieves the working strain on worm gearing two-thirds; also equipped with the latest and direct type Electric Reverse Switches, mechanically controlled by the engines themselves at both top and bottom terminals, and profiting by more than twenty years experience and impressed with the importance of simplicity, they are made up of as few parts as possible, each part being extra heavy so as to withstand the abuse that all such are subjected to.

The exhibit was located on second floor at entrance to elevator, which was also furnished by the Park Manufacturing Co. W. Speight Adams was in charge of the exhibit.

Greenville Belting Company.

The exhibit of the Greenville Belting Company, Greenville, S. C., consisted of leather belting and specialties manufactured by the Bradford Belting Company, of Cincinnati, Ohio, of which they are Southern representatives. The feature of

their exhibit was their method of re-working or re-claiming old leather belting. This display showed the old scraps as they come from the mills and the finished belting after it has been reclaimed.

They also exhibited samples of their high grade lines of leather belting. J. W. Hayes, manager of the Bradford Belting Company, was present for the purpose of making the acquaintance of the mill men of the South.

Curtis & Marble.

Curtis & Marble Machine Company exhibited on of their new style cloth folders, for forty-inch goods, to fold one yard folds, which is made with improvements added during the past year, simplex drop table, improved guides for regulating the movement of the table up and down as the jaws open and shut, roller bearings for the cam levers, etc., so as to insure one of the smoothest and easiest running machines of this type in the market. Aside from this they had photographs and circulars, etc., of their regular line of cotton mill machinery.

(Other exhibit notices will be found elsewhere in this issue.)

VICTOR MILL STARCH – The Weaver's Friend



THE HOME OF VICTOR MILL STARCH

May Cost a Little More
BUT—

good running work means satisfied help. If you have never used Victor try a car and be convinced.

We can ship promptly.

THE KEEVER STARCH COMPANY

COLUMBUS, OHIO

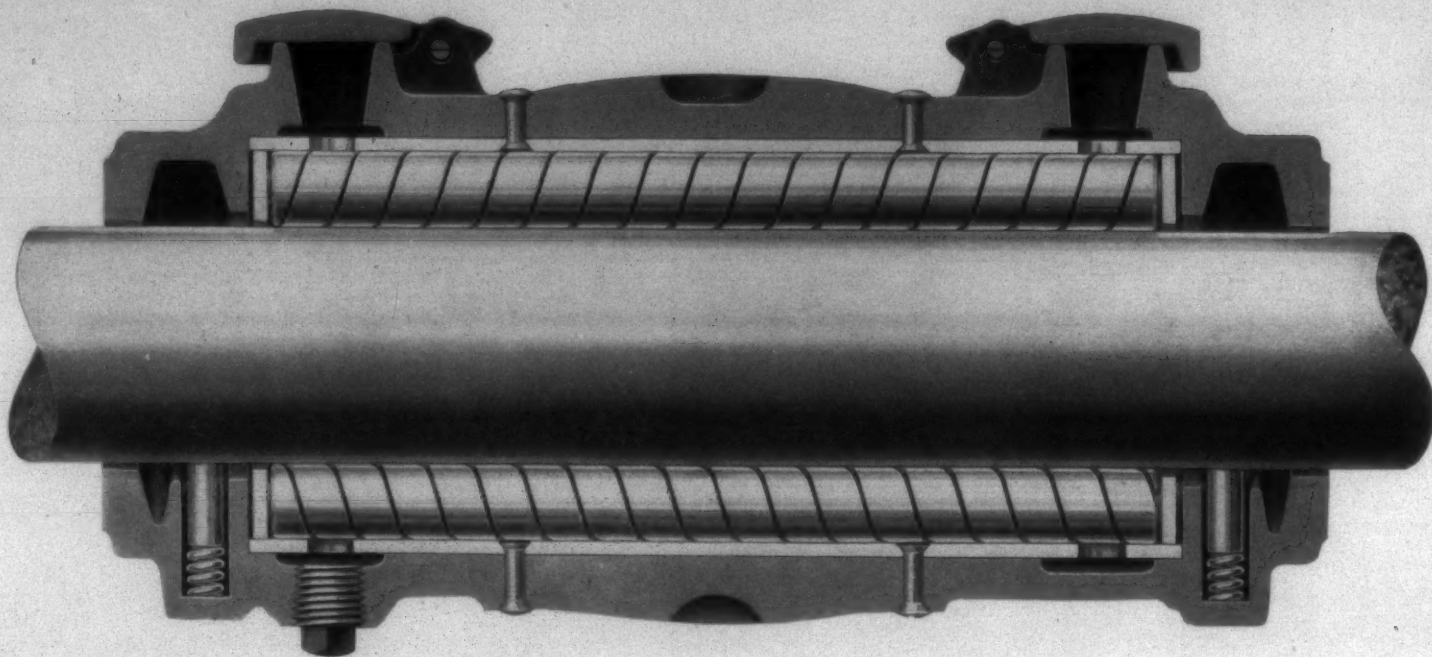
SOUTHERN AGENT,

JAS. H. MAXWELL, GREENVILLE, S. C.

Traveling Representative

J. J. ILLER, Greenville, S. C.

Economical Mill Operation

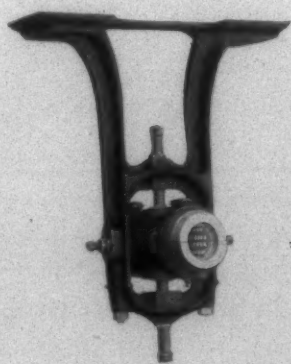


You progressive cotton manufacturers of the South realize the advantages of Standard Transmission Equipment. The production of your entire mill depends upon the lineshafting, which distributes power to your machines. If your transmission equipment is not dependable, your operation losses will be large.

Power means coal—coal means money—you can save 15% of the money you spend for power every year by installing Hyatt Roller Bearing Hangers on your lineshafting. In addition, the saving in oil and labor for lubrication is at least 80%—the only attention they require is oiling three or four times a year.

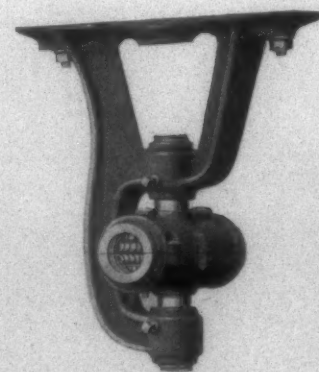
Any millwright can apply Hyatt Roller Bearing Hangers quickly to your present shafting, without disturbing pulleys, collars or couplings—because the boxes are split in two sections.

The Hyatt agents in your part of the country carry a complete line of Hyatt Roller Bearing Hangers, both frames and boxes. They can meet your transmission requirements and show you real Hyatt Service.



Atlanta, Georgia
Baltimore, Md.
Birmingham, Ala.
Charlotte, N. C.
Chattanooga, Tenn.
Little Rock, Ark.
Louisville, Ky.
New Orleans, La.
Sherman, Texas.

Cotton States Belting & Supply Co.
Fairbanks Company
Fairbanks Company
Charlotte Supply Co.
Mills & Lupton Supply Co.
Hollis & Company
E. D. Morton & Company
Fairbanks Company
Hardwicke-Etter Company



MOTOR BEARINGS DIVISION
DETROIT, MICHIGAN

HYATT ROLLER BEARING COMPANY
INDUSTRIAL BEARINGS DIVISION
METROPOLITAN TOWER, NEW YORK

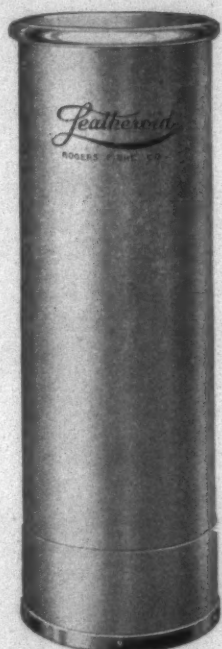
TRACTOR BEARINGS DIVISION
CHICAGO, ILL.

Manufacturers of bearings for mine cars, ore cars, steel mill cars, roller tables, trolleys, cranes, hoists, machine tools, lineshafts, countershafts, concrete machinery, textile machinery, conveyors, lift trucks, industrial trucks, railway service cars, storage battery locomotives, etc.

Hyatt Bearings for Line Shafts

Leatheroid

MILL RECEPTACLES

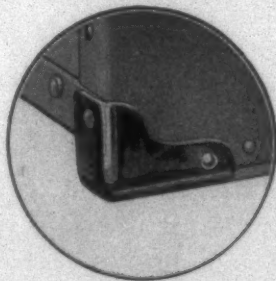


No. 1 Roving Can, Rolled Over Top Very Smooth

This page is shown for the special attention of Southern mill men attending the Greenville Convention, or interested in its proceedings.

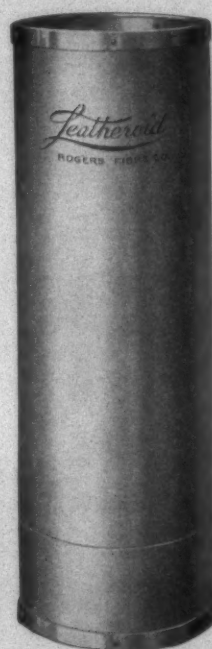
The illustrations picture the constructive features of the Leatheroid line, while the finished product can be seen and inspected in

Space 301, 302, 303, 304 Convention Hall



Leatheroid Boxes

are made with steel over wood top rims and all bottom corners have steel protecting irons—which also protect the shoes.



No. 2 Roving Can, Polished Steel Rim—Smooth

ORDER BY THE NAME



Leatheroid No. 2 Steel-Clad Car. Nothing Equal it for Construction, Finish and Serviceability.



Showing Leatheroid Box Construction and strong platform.



Leatheroid No. 3 All Fiber Car. Solidly Built. All wearing surface protected.

All Leatheroid cars are equipped with our own self-oiling wheels

**SOLD BY SOUTHERN MILL
SUPPLY HOUSES**

ROGERS FIBRE COMPANY

Leatheroid Sales Division

1024 Filbert St. PHILADELPHIA, PA.

The Lubricant that says "NO!" to Friction

Is your mill doing its BEST in production.

Many mills **think** they are doing their best until we show them the possibilities of **increasing production** through **scientific lubrication**.

No machine can be driven at top speed unless it is getting the exact lubrication it needs. The right lubricant is heavy enough to stay on the bearing surfaces. It insures perfect lubrication. It doesn't spatter the goods.

The lubricant that meets these requirements completely is

Slo-Flo

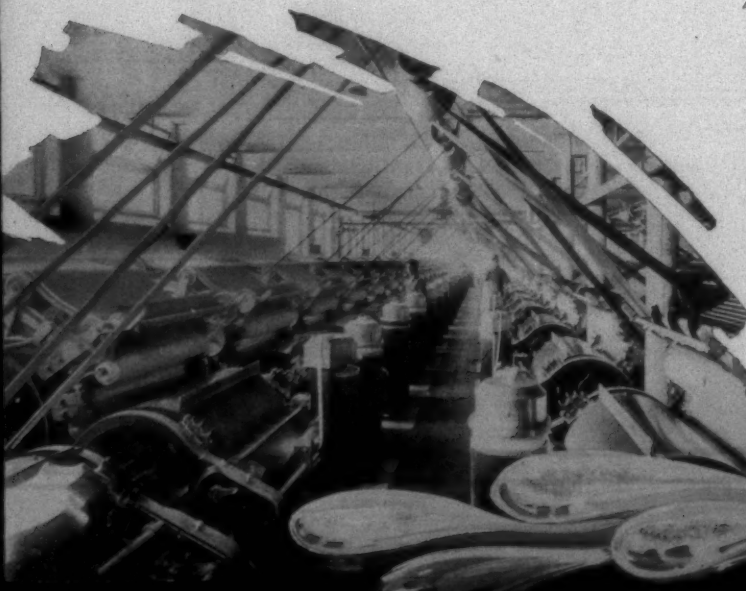
Slo-Flo is made in regular and white grades, each in many densities, to suit different machines. Wherever it is used it stays put—says "No!" to Friction. And because Slo-Flo doesn't throw, it prevents oil-stained goods. Two big economies in operation.

Today many of the largest mills depend on Slo-Flo to keep their machines up to the highest point of efficiency. **These mills are doing their best in production!**

The uniformity of Slo-Flo appeals to the careful Superintendent. You get started right, and after that simply specify by number.

Orders placed with nearest distributor will have prompt attention

**Use Slo-Flo No. 26
in Comb boxes**



**SWAN AND FINCH
COMPANY**
NEW YORK

Quality Oil and Grease Products Since 1833

Chicago Philadelphia Hartford
Providence

DISTRIBUTORS

Fulton Supply Co., Atlanta, Ga.
Textile Mill Supply Co., Char-
lotte, N. C.
Carolina Supply Company,
Greenville, S. C.

SCIENTIFIC LUBRICANTS for SCIENTIFIC LUBRICATION

F I R T H

Dustless Card Stripping System

Vacuum Connection To Housed Stripping Brush

Separates Dust From Strips.

Improves Quality of Card Strips.

Improves Quality of Carding.

Endorsed by Practical Carders.

Improves general working conditions. Cleans machinery by vacuum.

Firth Broomless Floor Sweepers

Sweep Mill Floors by Vacuum

Adapted to all classes from coarse work to the finest

Sweep under and around machinery by vacuum

No Brooms Required

Southern Textile Exposition

Greenville, S. C., May 5th to 10th, 1919.

Mill men invited to call at our space No. 449-50-51, Textile Hall.

Practical working demonstrations in Mills in Greenville.

William Firth

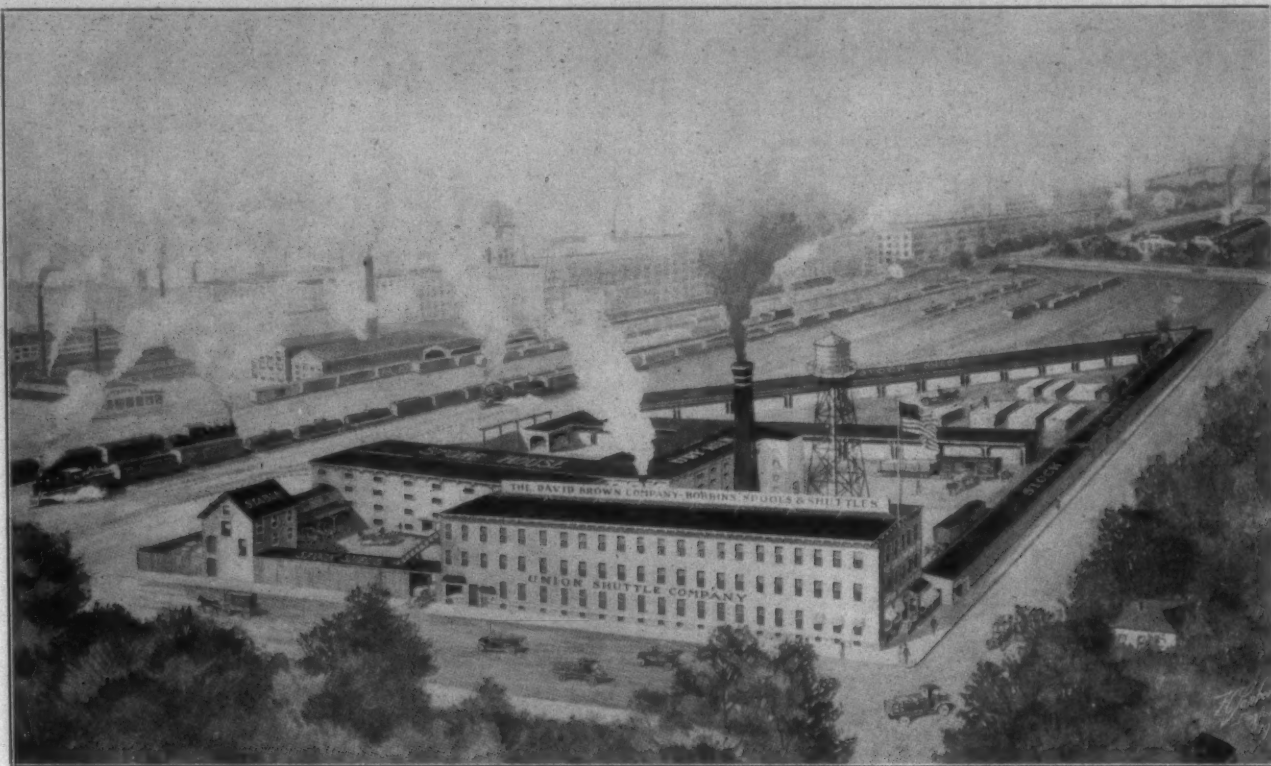
200 Devonshire St.

BOSTON, MASS.

Milton G. Smith, Greenville, S. C., Southern Representative

FACTORIES AT SOUTH LAWRENCE, MASS.

We have made recently many changes, additions and improvements to our factory which is now one of the best equipped in the business



We carry a very large stock of properly seasoned lumber, etc. and are in a better position and condition to accept business than ever before

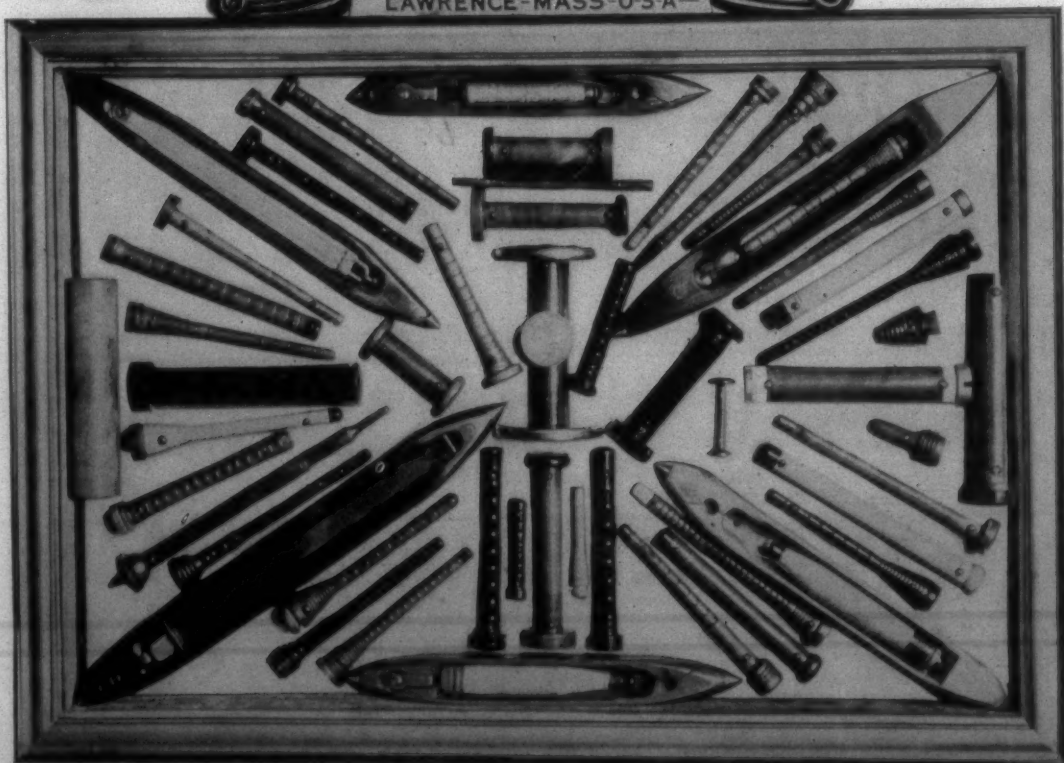
The David Brown Company and Union Shuttle Company
of LAWRENCE, MASS.

With our apologies for not exhibiting at Greenville, S. C. May 5-10, 1919



Write for our new catalogue, just out and fully descriptive of our complete lines of "high grade" products.

Bobbins
Spools
Skewers
Etc.



Shuttles
of
Every
Description

Part of Gold Medal Exhibit at Panama-Pacific Exposition, San Francisco, 1915

John Hetherington & Sons

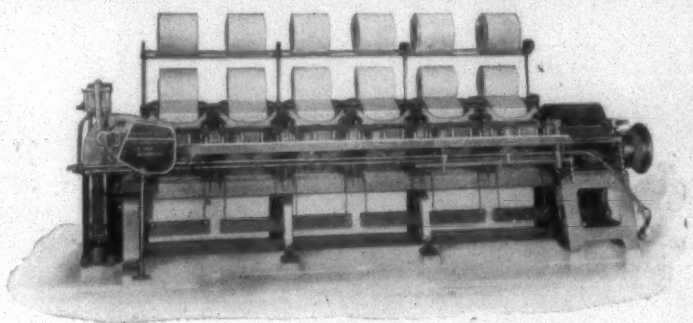
Limited

MANCHESTER, ENGLAND

The complete Hetherington line of
Cotton Mill Machinery

includes every machine from
Pickers to Mules

The Nasmith Comber



"One Machine Instead of Two"

Highest production under ordinary mill conditions
of any modern combing machine

Lowest percentage of waste for any given quality
of work

Large new storehouse in Boston, containing very
large supply for all parts of Hetherington
machinery

Permanent staff of experienced fitters for all kinds of
repair and resetting work on Hetherington
and other machinery

Catalogues, Information and Estimates
on Request

HERBERT HARRISON

SOLE AGENT UNITED STATES AND CANADA
Room 1125-10 High St., Boston, Mass.

J. H. MAYES, Southern Agent

Independence Building

CHARLOTTE, N. C.

SEEN AT THE EXPOSITION

Addressograph Company.

The Addressograph exhibit at the Southern Textile Exposition included several of their latest models of both Addressograph and Grapho-type machines and accessory equipment used in payroll and other departments of many of the largest mills for imprinting various office forms.

Listing names on payroll sheets—imprinting time cards—writing employees names on checks and imprinting other payroll forms were illustrated with hand, foot and motor operated models of the Addressograph.

A. S. Woodward, manager of the branch office at Atlanta, Ga., was present at the exhibit to answer any questions and give suggestions to present Addressograph users and those who might be considering it for the future.

Besides the latest models of the Addressograph, there were Grapho-type plate making machines and complete equipment for properly handling a payroll of any size. The space taken by the Addressograph Company is Booth No. 208, the same as occupied at the last Southern Textile Exposition.

Carolina Specialty Company.

The Carolina Specialty Company were represented at the Southern Textile Exposition by their president, J. Lindsay Ross, and their treasurer, R. Galloway Ross, and their secretary, C. J. Carpenter. Their exhibits occupied booth 226; and as representatives of The Trus-Con Laboratories, Detroit, Mich., manufacturers of Waterproofing, and Technical Paints; and the Anti-Friction Belt Dressing Company, Baltimore, Md., manufacturers of Anti-Friction Belt Dressing; The Barrett Company of New York and Philadelphia, manufacturers of Disinfectants and Wood Preservatives.

They had a full line of their different products and were pleased to

have their old friends call around at their booth often.

Cement Products Company.

The Cement Products Company had an exhibit, showing a complete line of their "Sanisep" Sewage Disposal Systems. The exhibit consisted of the various size concrete Septic Tanks manufactured by them for use both with and without running water. There were also on exhibition a model knocked-down closet manufactured by them, which is used in connection with their Septic Closet Tanks when installed in industrial villages.

This company has equipped a large number of the more prominent cotton mills and coal mines in the eastern part of the country with their two tank "Sanisep" System, and have also supplied many individual customers. The system seems to be giving very satisfactory results, as evidenced by the large number of repeat orders received.

The Cement Products Company has always exhibited at the expositions and many prospective purchasers, who have the welfare of their operatives at heart will, as usual, were interested in looking over their exhibit. They occupied spaces 112 and 113, and the exhibit was in charge of one of their representatives, Mr. C. L. Lillard and some members of the firm from the head offices at Wilmington, N. C., were in attendance.

Allis Chalmers Manufacturing Co.

Space No. 229 was headquarters for Allis Chalmers Manufacturing Company of Atlanta, Ga., and Milwaukee, Wisconsin, and they had on hand for distribution a large supply of special literature applying to the use of motors in the textile industry. It was their desire to get this valuable literature into the hands of all visitors. The exhibit was in direct charge of Mr. William Parker, sales engineer, connected with the Atlanta office. Mr. Berrien Moore, district manager, was also present to shake hands with acquaintances and make new ones.

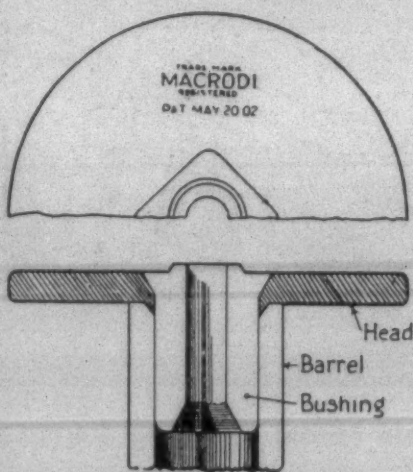
Linker Troubles, Electrical Stop Motion Troubles All Kinds of Warper Troubles

Taken care of by Experts

Cocker Machine and Foundry Company

Gastonia, N. C.

Builders of Warpors, Linkers, Ballers, Reels, Etc.



The Macrodi FIBRE HEAD WARP SPOOL

after fourteen years of the
hardest mill use has demon-
strated that it is

Durable — Economical

Write for particulars of the
added traverse with corre-
sponding increase in yardage—
an important feature of this
spool.

Prompt deliveries in two to
three weeks after receipt of
order.

MACRODI FIBRE CO.

Woonsocket, Rhode Island
Sold in the South also by
Odell Hardware Co., Greens-
boro, N. C.; General Mill Sup-
ply Co., Charlotte, N. C.; and
other leading mill supply houses.

Cotton Goods

New York.—Cotton goods markets hold very firm. Trading is general and active. Several of the largest mills have sold their possible output until early fall.

Prices have advanced steadily and on many lines of gray cloths they are 15 per cent higher than they were 30 days ago. The gingham markets have become very strong, leading fall lines having been sold up and withdrawn at the prices prevailing since the first of the year. In some instances advances have been secured. Production in mill centers is being rapidly restored to the pre-armistice level but there are several wage contentions to be disposed of and operatives are not plentiful enough to insure a capacity output this summer. With the removal of war restrictions from foreign trade, and the early approach of peace, high hopes are entertained of the volume of export trade that may be done in goods. The converting, bleaching and manufacturing trades have been large buyers of gray goods and Southern jobbers have recently been very active buyers for fall.

It is felt that if the retail movement this fall or in the next three months attains anything like the proportions seen in buying by distributors, in anticipation, there will be a further rise in prices, as many large jobbers are not supplied and they will be a constant factor in nearby purchases. Mill production is not yet up to capacity, nor even up to normal of the past two years.

Printers of percales are talking of probable advances. Gray cloths have now reached a level where new business cannot be accepted at present prices based on the cost of unfinished lines. There is more call in the market for many colored goods lines than traders can take care of. The denim and gingham markets appear very firm, with the output for three months well engaged. Tickings are still offered at relatively low prices and are moving in moderate quantities. The business laid down on shirting chambrays has been very large, especially on the finer grades.

Sateens are in active demand

again and sales are being made for deliveries beginning in August and running to the end of the year. This business emanates chiefly from the lining trades, although some goods are being bought for dress printing and converting. Print cloth prices are quoted nominally at 12c for 38 1-2-inch 64x60s and 13 3-4 cents for 58x72s. Better than these prices can be done in some places. Narrow goods are in active call at 8c for 27-inch 64x60s. Sheetings are more active, especially cloths used largely by the bag trades. For 4-yard 48-square in 37-inch widths 12 1-2c can still be done, while some houses are holding 4-yard 56x62s at 13 3-4c.

Market quotations were as follows:

Pr't cloths, 28-in., 64x64s ..	8 1/2
Pr't cloths, 28-in., 64x60s ..	8 1/4
Pr't cloths, 27-in., 64x64s ..	8
Gray g'ds, 38 1/2-in., 64x64s ..	12 1/2
Gray g'ds, 39-in., 68x72s ..	13 1/2
Gray g'ds, 39-in., 80x80s ..	17 1/2 a18
Brown sheet'gs, 3-yard ..	16 1/2
B'n sheet'gs, 4-yd., 56x60s ..	13 1/2 a14
Brown sheet'gs, So. stand. ..	17 1/2
Tickings, 8-ounce ..	27
Denims, 2.20 (Ind.) ..	26
Stand, staple gingham ..	15
Standard prints ..	12 1/2
Dress gingham ..	21 a23
Kid finished cambrics ..	14 1/2 a12 1/2

What Next?

Willie: If the Mississippi is the father of waters, why don't they call it the Mistersippi?

"OLD BUCK"



CLEANSER

Mill Scouring Soaps, Mill Scouring Powders, Mill Disinfectants

Quick deliveries at attractive prices

The World Manufacturing Co.
Atlanta, Ga.

T. HOLT HAYWOOD DEPARTMENT

FRED'K VIETOR & ACHELIS

COMMISSION MERCHANTS

65-67 Leonard Street,

New York

COTTON FABRICS

OF ALL DESCRIPTIONS

For Manufacturers, Jobbers, Converters, Exporters

CAROLINA SIZING & CHEMICAL COMPANY

CHARLOTTE, N. C.

Manufacturers of O. K. PRODUCTS

ROPOSIZE--makes yarn strong

GEORGE WITHERSPOON

TRY "FIBRELAY" SIZING COMPOUND

and eliminate your sizing troubles.

Especially recommended where

warp stop motions are used.

HAWLEY'S LABORATORIES, Inc

CHARLOTTE, N. C.



Guaranteed Roofing and Roofing Paints

Make your old shingle roofs as good as new by using our No. 1 WOOD PAINT. Our METAL PAINT too is guaranteed to give you entire satisfaction, and in the event you have leaky metal or composition roofs, apply a coat of JOHNSON'S FIBRE COATING over them and get quick and permanent relief. Over two hundred Southern cotton mills are using our ROOFING PAINTS.

For prices and further information write

JOHNSON PAINT COMPANY
ATLANTA, GA.

FOR SIZING SLASHOL

WHAT ELSE---When it is the only sizing agent that is absolutely neutral, and needs the assistance of no other compound, oil or tallow. Will not allow the size to chafe or shedd, and will increase the tensile strength of the yarn.

1832

1919

Wm. C. Robinson
& Son Co.

Baltimore, Md.

CHARLOTTE
GREENVILLE, S. C.
NEWTON, N. C.
ATLANTA
BIRMINGHAM
NEW ORLEANS

The 20th Century Steam Drainage and Boiler Feed

LEADERS IN THE TEXTILE industry—executives who figure costs down to the last cent—are using the Morehead Back-to-Boiler System to make condensation pay a profit.

You cannot eliminate condensation but you can return it immediately to your boilers as pure hot feed water—reducing the cost of your fuel from 15% to 25%. The

Morehead
Back-to-Boiler
SYSTEM

is comprised of a line of steam traps adapted to every textile mill condition which can arise.

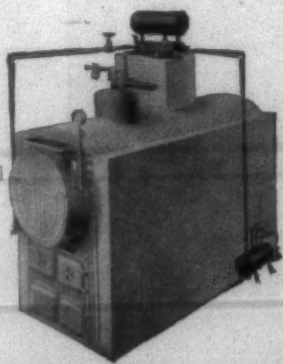
But the Morehead System does more than save a large part of your fuel bill—it eliminates sluggish circulation in your steam lines and keeps your machines operation at their highest possible thermal efficiency.

Tell us about conditions in your boiler room.

Write us about the troubles you are having with the condensation problem and our engineers will be glad to advise you fully free of charge. Address—without obligation—

Morehead M'f'g Company

DEPARTMENT T. B.
DETROIT, MICH.





AMERICAN HIGH SPEED CHAIN



Seventeen years the buyers of American High Speed Chain have given to proving and improving steel chain belting for transmitting power. They are pioneers in the design and manufacture of this chain.

This long experience has established one important truth—That the mechanically simple construction which distinguishes American High Speed Chain most fully meets the requirements of all conditions of service.

We have also learned that neither belts nor gears should be used where it is possible to use chain drive. Are you ready to believe that? Is it worth anything to you to know it if it should happen to be true?

ABELL-HOWE COMPANY
National Distributor, Chicago.
Branch Offices in Principal Cities
E. S. PLAYER, Southern Rep., Greenville, S. Car.

JACKSONVILLE CHEMICAL MFG. COMPANY

JACKSONVILLE, FLA.

MANUFACTURERS

SULPHUR DYES DIRECT

Low Prices

Best Quality

Anti-Ballooning and Furtardo Thread Guides

These thread guides prevent excessive ballooning and decrease breakage of ends on spinning frame. They decrease the work of spinners and enable each spinner to run more sides.

J. P. O'CONNELL

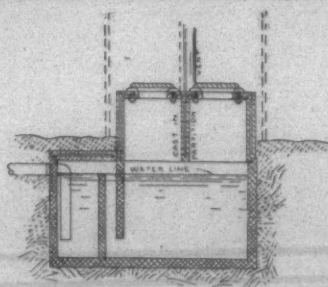
Crompton, - - - - Rhode Island

LOMBARD

Augusta, Ga.

Foundry, Machine, Boiler Works and Mill Supply Store. Contractor's Machinery, Supplies and Repairs. Wire Cable and Block. Burrows Shovels, Reinforcing Bars, Chains, Etc. Cotton, Oil, Gln, Saw, Grist, Fertilizer, Cane, Shingle Mill Supplies. Repairs and Castings. Boilers, Flues, Stacks, Tanks, Pipes, Pumps and Fittings.

Standard Outfits are Constructed of Cement, doubly reinforced



Standard Sanitary Privy Outfit—Patented

Provides a clean, sanitary method of disposing of all raw sewage without odor, solves the dangerous fly and mosquito problem, and forever prevents your water supply from becoming contaminated. Without obligation on your part, we will be pleased to give you a demonstration. Drop us a line.

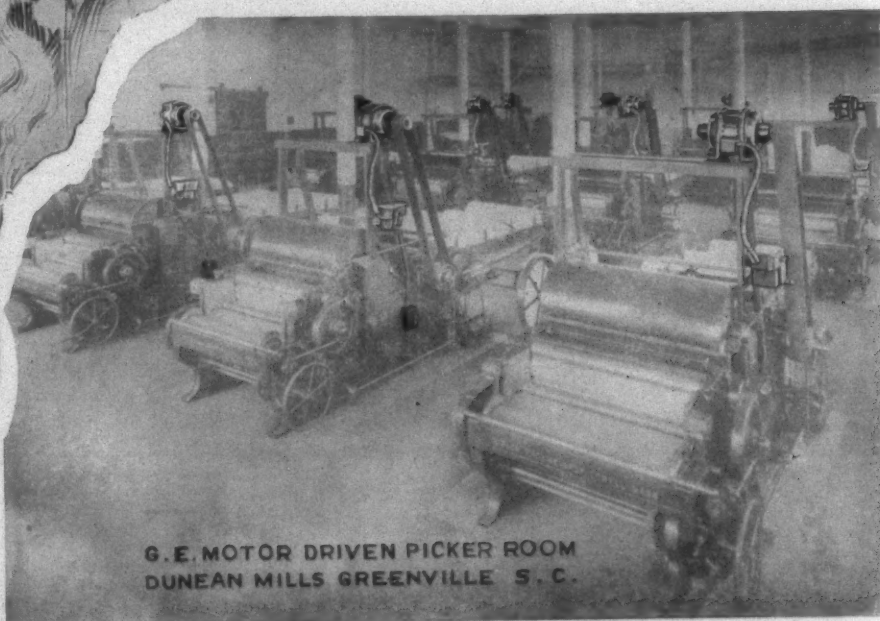
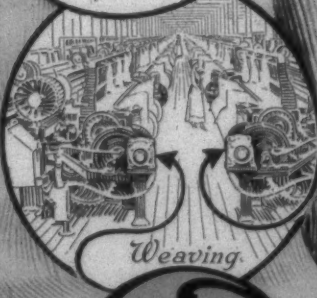
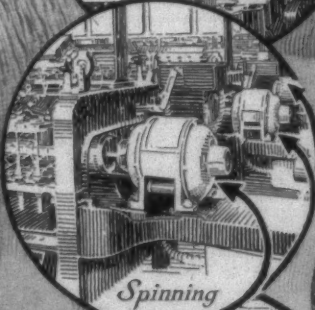
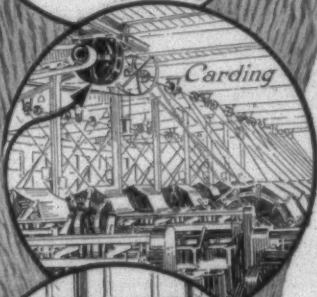
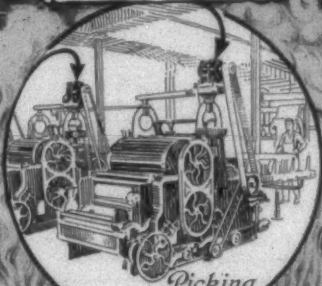
Standard Cement Construction Co., Wilmington, N. C.

THE SEWERAGE PROBLEM Solved!

for Mill Villages, Small Towns, Rural Homes and School Districts. This IMPROVED design is the most perfect adaptation of the principle originated by the United States Public Health Service, and known as the L. R. S. System.

Cast in cylindrical form, with a partition that divides it into two compartments of scientific proportions, thus providing the two tank principle, but all in one piece.

It answers every need, overcomes every objection and fulfills every wish.



Electric Power Boosts Picker Room Production

Whenever a shaft is turned in the mill, electric power, properly applied by G-E Motors can be relied upon if most and best product is wanted at least power cost.

For instance, by keeping beater shaft up to full speed at all times, G-E Picker Motors render maximum production possible in the picker room. The direct application of power from these motors cuts out the wasteful friction and speed losses found where other forms of power are used.

Least power cost is assured by the high efficiency of G-E Picker Motors which transform into mechanical power the greatest practicable amount of the electric power supplied them. The ample metal used and other design features of G-E Motors enable them to get more useful work from the available dynamo capacity in the power plant than is possible with motors having a lower power factor. The mechanical design features of these motors reduce attendance to a minimum.

It will pay you to have our experts show you how picker room production, cleanliness, light, and safety can be improved by G-E Motor Drive.

44-3

Principal Office: Schenectady, N. Y.
Mill Power Dept. Boston, Mass.

GENERAL ELECTRIC COMPANY

The Yarn Market

Philadelphia, Pa.—The yarn market continued to show improvement last week. Spinners reported that they received an increasing number of inquiries and that sales had been large in many instances. The effect of the increased business is a steady advance in prices. Dealers are getting business and the demand for weaving yarns covered a much wider range of numbers than had been the case for some time. The higher prices that spinners are asking for the coarser numbers is causing some demand and several large sales were reported the latter part of the week.

Considerable improvement was noticed in the knitting lines, though knitters are not yet buying a great deal of carded yarns on cones. The demand for weaving yarns was more active. The demand for fine numbers on cones was not very large during the week and prices depended on how badly the buyer needed the yarn, and its quality. Sellers are in a much stronger position than they were a few weeks ago and are feeling much better over the situation. Most of them are optimistic and think that there will be a steady improvement in market conditions.

There were a good many inquiries for combed yarns and several sales of as much as 10,000 pounds were made early in the week.

Southern Two-Ply Chain Warps, Etc.			
6s-10s.42	—43	26s.....52½	—55
1½-2s.46	—	30s.....60	—
2s-14s.47	—	40s.....70	—
16s.....47	—	50s.....85	—90
20s.....50	—	60s.....1.05	—
24s.....54	—		
Southern Two-Ply Skeins			
4s-8s.42	—	36s.....65	—67
10s-12s.43	—	40s.....70	—
14s.....44	—	50s.....90	—
16s.....46	—	60s.....1.00	—
20s.....49	—	3-ply 2s	—
24s.....52	—	uphly 2s.36	—38
26s.....54	—	4-ply 8cs	—
30s.....59	—60	uphly 3s.38	—40
Southern Single Chain Warps			
6s-12s.42	—43	24s.....50	—52
14s.....44	—	26s.....51	—53
16s.....46	—	30s.....56	—58
20s.....48	—	40s.....76	—78
22s.....49	—		
Southern Single Skeins			
5s-8s.41	—	20s.....46	—47
10s.....42	—	22s.....47	—48
12s.....43	—	24s.....50	—51
14s.....44	—	26s.....52	—
16s.....45	—	28s.....52	—
18s.....45	—	30s.....58	—
Southern Frame Cones			
8s.....41	—42	20s.....43½	—44
10s.....42	—42½	22s.....44	—46
12s.....42½	—43½	24s.....44	—46
14s.....43	—43½	26s.....47	—50
16s.....43	—43½	30s.....48	—
18s.....43½	—44		
Combed Peeler Cones			
10s.....60½	—	26s.....68½	—
12s.....61	—	28s.....69½	—
14s.....61½	—	30s.....74	—
16s.....63	—	32s.....76	—
18s.....64½	—	34s.....78	—
20s.....65½	—	36s.....80	—
22s.....66½	—	40s.....84	—
24s.....67½	—		

How Could It Happen?

"Here," said Tommy's father, "is a penny three hundred years old. It was given to me when I was a little boy."

"Hully gee!" gasped Tommy. "Just think of anyone being able to keep a penny that long!"

A. M. Law & Co.

SPARTANBURG, S. C.

BROKERS

Dealers in Mill Stocks and other Southern Securities.

SOUTHERN COTTON MILL STOCKS.

	Bid.	Asked
Abbeville Cotton Mills.....	130	135
Alice Mills.....	225	—
American Spinning Co.....	185	—
Anderson Cotton Mills, com.	70	73
Anderson Cotton Mills, pfd.	95	—
Aragon Mills.....	130	—
Arcade Mills.....	111	—
Arcadia Mills.....	150	—
Arkwright Mills.....	185	—
Augusta Factory, Ga.....	—	50
Avondale Mills, Ala.....	220	250
Beaumont Mfg. Co.....	250	—
Belton Cotton Mills.....	—	155
Brandon Mills.....	—	120
Brogan Mills.....	140	145
Calhoun Mills, common.....	110	114
Calhoun Mills, preferred.....	100	—
Chesnee Mills.....	130	133
Chiquola Mills, com.....	140	145
Chiquola Mills, pfd.....	85	87½
Clifton Mfg. Co.....	140	145
Clinton Cotton Mills.....	125	—
Courtenay Mfg. Co.....	150	160
Columbus Mfg. Co., Ga.....	135	—
D. E. Converse Co.....	120	—
Dallas Mfg. Co., Ala.....	117	—
Darlington Mfg. Co.....	75	80
Dacotah Mills, N. C.....	200	—
Drayton Mills.....	47½	55
Duncan Mills, com.....	65	67½
Duncan Mills, pfd.....	80	85
Eagle & Phenix Mills, Ga.....	120	—
Easley Cotton Mills.....	285	300
Enoree Mills.....	100	—
Enterprise Mfg. Co., Ga.....	70	75
Exposition Cotton Mills, Ga.....	175	250
Gaffney Mfg. Co.....	95	101
Gainesville C. Mills, Ga. com	—	95
Glenwood Mills.....	145	—
Glenn-Lowry Mfg. Co., pfd.....	—	75
Glenn-Lowry Mfg. Co., pfd.....	70	80
Gluck Mills.....	95	100
Grainger Mfg. Co.....	—	100
Graniteville Cotton Mills.....	175	200
Grendel Mills.....	88	100
Grendel Mills, preferred.....	88	100
Hamrick Mills.....	155	—
Hartsville Cotton Mills.....	250	275
Henrietta Mills, N. C.....	185	—
Inman Mills.....	135	—
Inman Mills, pfd.....	100	—
Jackson Mills.....	180	200
Judson Mills.....	115	—
King, John P. Mfg. Co., Ga.....	125	—
Lancaster Cotton Mills.....	150	—
Laurens Cotton Mills.....	135	—
Limestone Cotton Mills.....	175	—
Loray Mills, N. C., com.....	50	65
Loray Mills, N. C., 1st pfd.....	—	97½
Marion Mfg. Co., N. C.....	135	—
Marlboro Mills.....	—	125
Mills Mfg. Co.....	—	—
Molokoh Mfg. Co.....	—	140
Monarch Mills.....	112	—
Newberry Cotton Mills.....	215	—
Ninety-Six Mills.....	150	200
Norris Cotton Mills.....	125	—
Oconee Mills, common.....	100	—
Oconee Mills, pfd.....	—	100
Orr Cotton Mills.....	115	120
Pacolet Mfg. Co.....	150	162
Pacolet Mfg. Co., pfd.....	100	—
Panola Mills.....	—	95
Pelzer Mfg. Co.....	149	156
Pickens Cotton Mills.....	200	220
Piedmont Mfg. Co.....	200	202
Poe, F. W. Mfg. Co.....	150	—
Poinsett Mill.....	—	100
Riverside Mills, com. Par	12	13
Riverside Mills, pfd.....	—	—
Saxon Mills.....	160	175
Sibley Mfg. Co., Ga.....	60	62
Spartan Mills.....	175	185
Toxaway Mills, com, par \$25	16	20
Toxaway Mills, pfd.....	117	120
Tucapau Mills.....	310	—
Union-Buttalo Mills, com.....	6	—
Union-Buttalo Mills, 1st pfd.....	112	115
Union-Buttalo Mills, 2nd pfd.....	29	32
Victor-Monaghan Co., com.....	82	85
Victor-Monaghan Mills, 1st pfd.....	97	—
Victor-Monaghan Co., pfd.....	96	—
Victor-Monaghan Co., com.....	83	85
Ware Shoals Mfg. Co.....	150	160
Warren Mfg. Co.....	100	—
Warren Mfg. Co., pfd.....	95	100
Watts Mills, com.....	—	17
Watts Mills, 1st pfd.....	—	85
Watts Mills, 2nd pfd.....	—	—
Whitney Mfg. Co.....	135	—
Williamson Mills.....	135	145
Woodruff Cotton Mills.....	—	127
Woodside Cotton Mills, com.....	106	110
Woodside Cotton Mills, pfd.....	91	95
Woodside Cotton Mills, pfd.....	98	—
W. S. Gray Cotton Mills.....	390	—

D. H. Mauney, Pres. Phil S. Steel, Vice Pres. Jno. J. George, 2d Vice Pres.
J. S. P. Carpenter, Treasurer D. A. Rudisill, Secretary

Mauney-Steel Company

COTTON YARNS

DIRECT FROM SPINNER TO CONSUMER
237 Chestnut Street Philadelphia, Pa.
Eastern Office, 336 Groverner Bldg., Providence, R. I.
Southern Office: Cherryville, N. C.

MILLS DESIRING DIRECT REPRESENTATION AND HAVE THEIR PRODUCT SOLD UNDER THEIR OWN MILL NAME WILL PLEASE COMMUNICATE.

STOCKS

Hill, Clark & Company

D. H. HILL, Jr., Manager

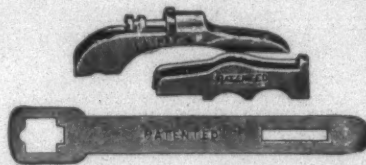
COTTON MILL STOCKS A SPECIALTY

41 S. Church St., Charlotte, N. C.

BONDS

DIXON LUBRICATING SADDLE CO.

BRISTOL, RHODE ISLAND



Use Dixon Patent Stirrup Adjusting Saddles, the latest invention in Saddles for Top Rolls of Spinning Machines. Manufacturers of all kinds of Saddles, Stirrups and Levers.

WRITE FOR SAMPLE

"The heresy of today is the orthodoxy of tomorrow."

DYE YOUR YARNS IN THE WOUND FORM

on machines that pay for themselves in no time. Send us your job dyeing. Our prices are low, deliveries are prompt, and service the best. Franklin machines are used all over the world.

As job dyers we color over a million pounds of cotton and of worsted a year. Let us serve you. Our representative will be glad of an opportunity to see you and fully explain all details.

FRANKLIN PROCESS CO., PROVIDENCE, R. I.

LEATHER TOP ROLLS

AT A TIME when the Government is asking for economy in leather, and old shoes are being gathered up for their leather, cotton mills are allowing oil to ruin thousands of dollars of fine skins on leather top rolls. DUREX TOP ROLL VARNISH would protect them.

TOP ROLL VARNISH COMPANY

Box 31

CROMPTON, R. I.

Less Waste---Cleaner Yarns

Atherton Adjustable Pin Grids

most manufacturers are adopting, knowing that they will pay for themselves in a short time in the saving of good stock, at high price of COTTON today.

Atherton Pin Grid Bar Company

Greenville, S. C.

Providence, R. I.

Want Department

Want Advertisements.

If you are needing men for any position or have second hand machinery, etc., to sell the want columns of the **Southern Textile Bulletin** affords the best medium for advertising the fact.

Advertisements placed with us reach all the mills and show results.

Wanted—Balling Attachment.

Wanted—Balling attachment to be attached to beam warpers for making ball warps. If you have anything to offer in this line communicate with T. R. Morton, Supt., Fidelity Mfg. Co., Charlotte, N. C.

A Bargain in Machinery.

6 Howard and Bullough speeders 6×3½×160 spindle each at \$4.00 per spindle.

6 Draper twistors 200 spindles each, fitted with vertical rings 1 15-16 inch brass rails, creels for 2 ply yarn at \$2.50 per spindle.

1 Denn warper 2200 ends double head electric stop motion at \$500.00.

All the above in good running order. We have been running on 30-2 warp, and are now changing to coarse counts. These prices are f. o. b. Millen, Ga., B-L attached.

L. H. Gilmer Co., Millen, Ga.

For Sale.

For sale three Model 8 Foster cone winders, 100 spindles each, suitable for winding 6s to 14s yarn. Can be seen running on these numbers any time. They are in good condition and can be bought cheap. Apply to Kinston Cotton Mills, Kinston, N. C.

For Sale.

One 48-inch Bramwell Burr Picker.

One 48-inch Goddard Burr Picker.

One 30-inch Goddard Burr Picker.

Three 30-inch Dodge Shoddy Pickers.

Two extra cylinders for Dodge Pickers.

These machines are equipped with ball bearings and in good condition.

One 140-inch American Blower Company Steel Plate Fan, belt driven.

One lot Pulleys and Hangers.

THE AMERICAN PAD & TEXTILE COMPANY.

Greenfield, Ohio.

**CONSERVE POWER
INCREASE PRODUCTION**
Before Buying Pulleys and Belting Investigate, Know the Facts
MORSE CHAIN CO., ITHACA, N. Y.
Largest Manufacturers of Silent Chains in the World
Morse Engineering Service, Assistance Without Obligation

Free Service Department

Any mill in need of superintendent, overseer, second hand, loom fixer, card grinder or any class of men other than operatives may insert a notice in this column for two weeks, free of charge. If the name of the mill is not given and the answers come care Southern Textile Bulletin, the cost of stamps used in forwarding replies must be paid by the advertiser.

Slasher Man Wanted.

Wanted a slasher man to take charge of two slashers on pattern work. To the right man will make price very attractive. Apply A. L. Bain, Superintendent Roanoke Mills Company, Roanoke Rapids, N. C.

Card Grinder.

Wanted card grinder for thirty-two cards in up-to-date mill. \$3.00 per day and 10 per cent bonus. Address Cards, care Southern Textile Bulletin.

Wanted.

Overseer for small spinning room, wages including bonus more than \$30.00, per week, if in earnest about wanting the job, apply giving reference, to Duck, care Bulletin.

Raw Stock Dyers

Sanders Smith & Co.

Charlotte, N. C.

OUR SPINNING RINGS---SINGLE OR DOUBLE FLANGE

Start Easiest, Run Smoothest, Wear Longest!

PAWTUCKET SPINNING RING CO.

CENTRAL FALLS, R. I.

We Work to the Thousandth of an Inch

Delicate repairing of small parts. Cotton Mill Machinery and Automobile parts repaired and overhauled.

Designing and building special apparatus and machines. Remodeling weak and troublesome parts. Welding accurately done and refinished on two-ton grinding machine. All work inspected by competent engineer.

U. S. Rutledge Repair and Engineering Company

1407 East Tenth Street, Charlotte, N. C.

PHONE CONNECTION 3172

CAL C. WALKER

S. A. TOMPKINS

Walker-Tompkins Company

Plumbing and Heating Contractors

LET US FIGURE YOUR MILL AND VILLAGE

11 West Fifth Street

CHARLOTTE, N. C.

Electric Wiring and Construction

TEXTILE WORK A SPECIALTY

Let us estimate on your new village or extension to mill or village

F. E. ROBINSON

Electrical Contractor

22 West 5th Street

CHARLOTTE, N. C.

BRICK

BUILD NOW, The Price Cannot Be Cheaper

We have the most efficient brick plant in the South, with every fuel and labor saving device known to modern brick making. Get the advantage of this efficiency in quality and price by buying from us.

Prompt shipment common building brick, any quantity, all hard, beautiful red.

YADKIN BRICK YARDS

New London, N. C.

"Serving Southern Concerns"

**J. D. COLLINS
SALES ENGINEERS**

947 GRANT BLDG., ATLANTA, GA.

WHEN IN GREENVILLE ATTENDING THE
SOUTHERN TEXTILE EXPOSITION
YOU ARE INVITED TO SECTION 319 TO EXAMINE THE
ECONOMY TIERING MACHINE
USED FOR STACKING HEAVY BALES AND CASES.
EQUIPMENT FOR CONVEYING AND STORING MATERIAL.

FOR USE
WITHOUT
RUNNING
WATER.



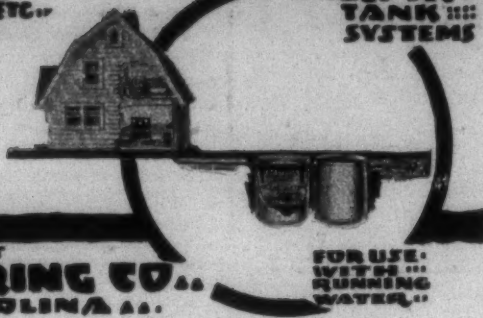
SANITARY SEWAGE DISPOSAL

WITHOUT SEWERS
FOR RURAL HOMES MINING
TOWNS INDUSTRIAL VILLAGES ETC.

NO CHEMICALS
NO SCAVENGING
FLY PROOF
ECONOMICAL

ENDORSED BY ALL
HEALTH AUTHORITIES
FULL INFORMATION ON REQUEST
SANITARY ENGINEERING CO.
CHARLOTTE NORTH CAROLINA

SEPTIC TANK
CLOSETS
AND
COMPLETE
SEPTIC
TANK
SYSTEMS




FOR USE
WITH
RUNNING
WATER

Chemicals and Oils

For Sizing
Finishing
and Dyeing

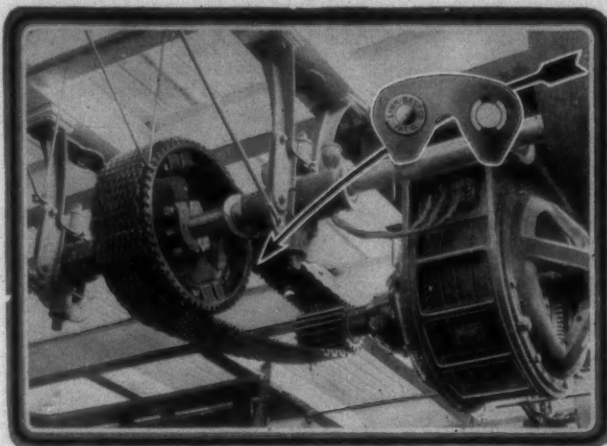
The New Brunswick Chemical Co.
NEW BRUNSWICK, N. J.

GUARANTEED QUALITY—DEMONSTRATIONS MADE



GARLAND
TRADE MARK
on all
LOOM PICKERS
and
LOOM HARNESSSES

GARLAND MFG. CO.
SACO, MAINE



Lineshaft Drives

IF EVERY mill, factory and shop in the United States had this 98% efficient drive instead of power-wasting, slipping, leather belt drives, think how much their production would increase.

And increased production is just what our country needs today. Heed this statement. Write for our 128 page Data Book No. 125 and figure out for yourself how Link-Belt Silent Chain Drives can turn your present power waste into profits.

The book is free to those who want facts on the efficient transmission of power. Write today.

LINK-BELT COMPANY PHILADELPHIA CHICAGO INDIANAPOLIS
Branches in Principal Cities

LINK-BELT

SILENT CHAIN DRIVES

J. S. Cothran, Southern Agent, Charlotte, N. C.

SOLUBLE TALLOW

A pure tallow scientifically rendered soluble. A superior product to natural tallow. It will flow at ordinary temperatures, is antiseptically treated, and will not decompose or turn rancid. Will not impart a "sour" or disagreeable odor to the fabric, as will naturally beef tallow.

Special Products Works
BALTIMORE, MD.

Refinery
CORAOPOLIS, PA.

WM. C. ROBINSON & SON COMPANY
OF BALTIMORE
Since 1832

CHARLOTTE
NEWTON, N. C.
GREENVILLE, S. C.
ATLANTA, GA.
BIRMINGHAM

HOPEDALE MANUFACTURING CO.

Milford, Mass.

Builders of Automatic Weaving Machines

We make a specialty of converting good plain looms to Automatic, and not only effect a substantial saving to the mill in operating cost, but also a material saving in initial cost.

We now have more than **20000** of our automatic attachments in operation and on order, thus proving conclusively the superior merits of our product.

We also build new Automatic Looms complete, which we are exhibiting this week at the Exposition Building at Greenville, S. C., including one of our latest models with several new features, such as friction drive so arranged as to eliminate all end thrust on shaft bearing, and new cloth winding arrangement without either gears, shaft, racks or chains.

We Invite Investigation and Comparison

Southern Office

- - -

Greenville, S. C.

Edward Howard, Southern Agent

Seen At the Textile Exposition.**Southern States Supply Company.**

This company exhibited the Isko Electric Refrigerating plant; and had this refrigeration unit in connection with special ice water cooling tank for supplying cold drinking water to cotton mills and other manufacturing plants. This equipment is especially designed for furnishing refrigerated drinking water; and for cotton mills it can be done without the use of a circulating pump. Jas. W. Smith, Georgia sales manager, was in charge, assisted by Harry Gillette of Chicago and Frank L. Zemp, service manager.

Sarco Company.

The Sarco Company of New York

exhibited steam traps, temperature regulators and recording thermometers. A. E. Ritchie of New York and L. W. Cuddy were in charge.

The Baker R. & L. Company.

The above company had spaces No. 124 and No. 125. They exhibited (a) one type QTQ Baker electric industrial tractor, (b) one type DUQ Baker electric utility truck, (c) one type DLQ-C Baker electric low platform truck, equipped with 1,000-lb. electrically driven swivel hoist, (d) one Hertner motor generator and charging set with automatic panel.

Personnel present: F. C. Myers, Southern district manager, Atlanta, Ga.; H. B. Greig, engineering development department, Cleveland, O.; D. L. Darnell, assistant sales manager, Cleveland, Ohio.

WHILE ATTENDING the Southern Textile Exposition, we extend to you a most cordial invitation to call upon us and discuss the wonderful possibilities of Southern Mill Stocks as an investment. We are prepared to handle from one share upward at this time.

Mills & Manning

120 W. WASHINGTON ST.
GREENVILLE, S. C.



South Carolina Cotton
Mill Stocks a
Specialty

W. Frank Hipp
BROKER

FIRST FLOOR PALMETTO BUILDING
GREENVILLE, S. C.

GREENVILLE SPOOL AND MANUFACTURING CO.

Greenville, S. C.

Warper and Twister Spools.
Plain and Metal Shields.
Warper and Spooler Skewers.
Underclearer Rolls.
Careful attention given to all details.

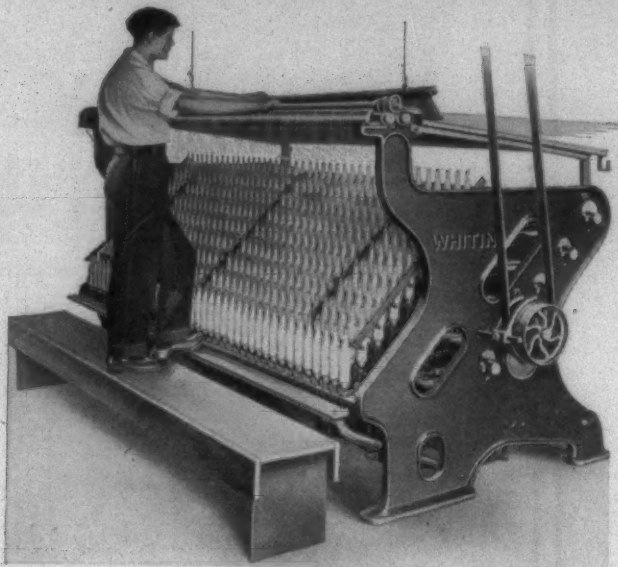
YOUR PATRONAGE SOLICITED

J. A. Piper Roofing Co.

GREENVILLE, S. C.

WHITIN MACHINE WORKS

ESTABLISHED 1831
TEXTILE MACHINERY



Manufacturers of
Long-Chain Quilling Machines
for
Colored, Bleached and Mercer-
ized Yarns.

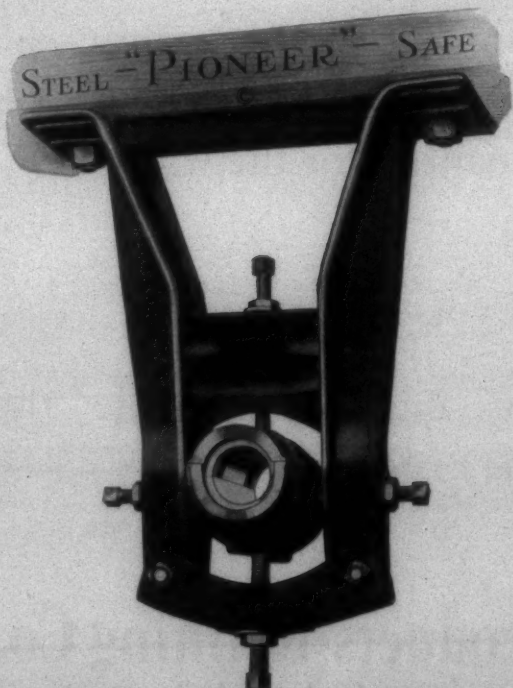
The Use of this Machine Insures
First Quality in Product.
Increased Profits.
Reduced Labor Costs.
Savings in Power consumption.
Economy in Floor Space.

Full particulars on request.

MAIN OFFICE AND WORKS
WHITINSVILLE, MASS., U.S.A.
SOUTHERN OFFICE CHARLOTTE N.C.

Originated 1904

Perfected 1914



Patented and Patents Pending

"PIONEER" Steel Hangers

Secure Safety Absolute

Remember the safe equipment of your plant is just as important as safe-guards. Steel shaft hangers are an important requisite in SECURING CONDITIONS OF SAFETY in the operation of your plant. Steel hangers are just as necessary for preventing accidents as are guards and goggles. A steel hanger does not break. A cast iron hanger is liable to break at any time and let fall couplings, pulleys and belts on your employees. No plant can be considered safe where such danger exists. Progressive manufacturers and those having charge of accident prevention work are installing

Unbreakable "Pioneer" Steel Shaft Hangers

in their plants because they furnish the safest possible hanger conditions. Do not wait until a serious accident convinces you. Equip your plant for 1919 with the Unbreakable "PIONEER" Steel hanger. Your inquiry will receive our careful and prompt attention.

STANDARD PRESSED STEEL CO.

PHILADELPHIA

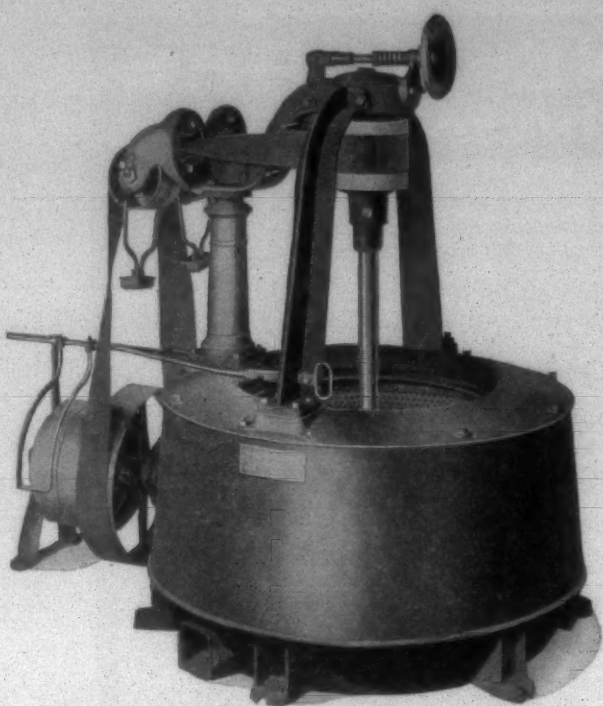
IDEAL POWER TRANSMISSION

Standard Pressed Steel Company
Philadelphia, Pa.

"ARROW" BELTING
Selling Agent

Hyatt Roller Bearing Company
Metropolitan Tower, NEW YORK

COTTON STATES BELTING & SUPPLY CO., Atlanta, Ga.



SELF-BALANCING BASKETS
26 TO 72 INCHES

Tolhurst Extractors

FOR

TEXTILES

Special Catalogue

Tolhurst Machine Works

TROY, N. Y.

SOUTHERN REPRESENTATIVE
FRED H. WHITE, Realty Building
CHARLOTTE, N. C.

Starch

Economy and Efficiency

are the watchwords today. Modern mill men who hold to this motto are discarding ordinary, imperfectly refined starches and selecting those special types best suited for their individual conditions.

Some desire increased weight, all need increased strength and better weaving qualities for the warp.

You know
the results you seek.

We know and can provide the proper type of STARCH.

Corn Products Refining Co.

NEW YORK

Southern Office: GREENVILLE, S. C.

Starch



The Red Bands of Howell Are Your Surety of Motor Performance

Every time you see a Howell Motor you will see the red bands on the ends of the housing—they are the visible evidence of our determination to keep faith with Howell users in every corner of the world—they are your surety of motor performance.

This will serve as your guarantee—your assurance that you will always get from your Howell just the kind of dependable service you would expect from a sturdy, correctly designed, time-tried, long-lived electric motor.

Sizes One to One Hundred Horse Power
Write or Wire Your Requirements

Howell Electric Motors Company
GENERAL OFFICES AND FACTORY
HOWELL, MICHIGAN, U. S. A.

J. R. PURSER, Southern Representative, Charlotte, N. C.

HOWELL RED BAND ELECTRIC MOTORS

Sole Selling Agents

Ralph L. Fuller & Co.

(INCORPORATED)

2 Rector St., NEW YORK CITY

Union Dye & Chemical Corporation

Successors to

Federal Dyestuff and Chemical Corporation
Kingsport, Tenn.

SULPHUR BLACK

The Best Type In The Market

SULPHUR BLUE 4 B.X.

Regular Production for Spot and Contract Deliveries

Southern Distributors

Parsons-Barr Company

78 Auburn Ave., ATLANTA, GA.

Your Special Attention

is called of HOLLAND SULPHUR BLUE. You will find it the brightest SLUPHUR BLUE on the market available for steady and dependable deliveries.

Other SULPHUR COLORS are—

Sulphur Brown Sulphur Black
Sulphur Green Sulphur Yellow

You will find our Direct and Basic colors complete backed by the steady and dependable deliveries characteristic of our house.

Aniline Oil, Salt and other heavy chemicals.

We beg to announce that we carry a stock of Sulphur Black in Charlotte.

Dicks, David Co.

INCORPORATED

Manufacturers High Grade
Aniline Dyestuffs

299 Broadway New York

SOUTHERN OFFICE

CHARLOTTE, N. C.

Ben R. Dabbs, Manager

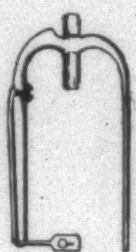
THE ONLY FLYER PRESSER
MANUFACTURERS IN THE SOUTH

Textile Machinery

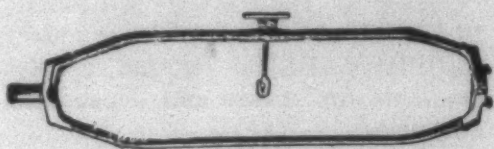
Manufactured, Overhauled
Repaired



We Manufacture
Steel Rolls, Flyer Press-
ers, Card Room
Spindles, etc.



We Repair
Steel Rolls, Spindles
and Flyers of all kinds
Picker Lap Pins
Etc.



We could send men on short
notice to

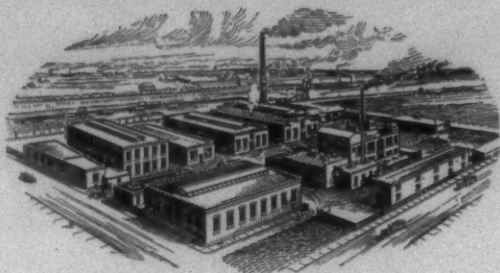
Overhaul and Rearrange
Card Room Frames, Spinning Frames
Twisters, Spoolers, Etc.

We sell Twisters, Double and Single Spinning Rings
of best makes. We align and level Shafting
with a Kinkead Apparatus.

**SOUTHERN SPINDLE
and FLYER CO. Inc.**
CHARLOTTE, N. C.

W. H. MONTY
President and Treasurer

W. H. HUTCHINS
V-President & Secretary



Works: Newark, N. J.

Among the products of our factory
are these comprehensive series for
MILLS IN THE SOUTH.

Amidine Series

(American Foremost Direct Cotton Colors)

Also Popular Shades

prepared especially for the cotton and hos-
iery mills.

Amalthion Series

(America's Premier Series of Sulphur Colors)

**Pattern books and product
samples on request**

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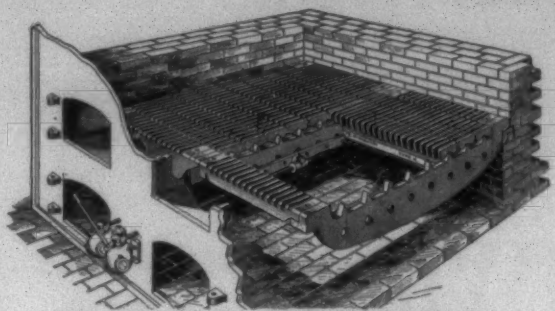
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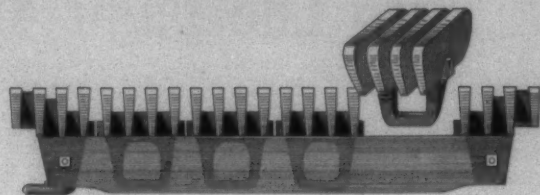
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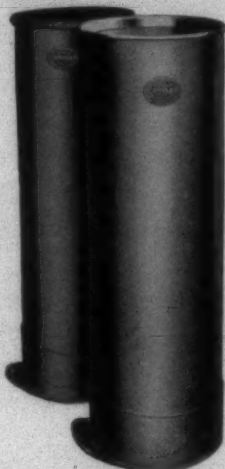
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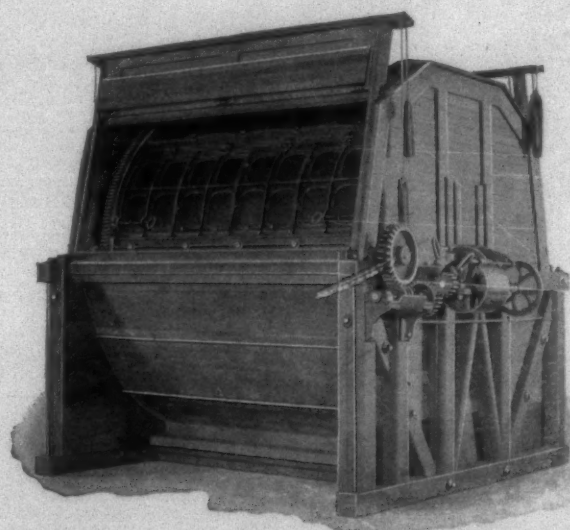
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WANT position as overseer of weaving. Long experience in good mills and am

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WANT position as overseer of cloth room. Am experienced on prints, sheetings, drills and duck. Have had 16 years experience in cloth room. Now overseer in mill of over 1,200 looms. Want change for better location. Address No. 2401.

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WANT position as overseer weaving. I. C. S. graduate, in plain weaving and have practical experience for many years in good mills. Am fully competent to handle good weave room on plain goods. Address No. 2404.

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WANT position as overseer of carding, overseer of spinning or both. Can furnish excellent references from some of the best mills in North Carolina. Good references. Address No. 2414.

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WANT position as overseer of cloth room. Have had long experience as overseer and can give good references from prominent mill men. Address No. 2421.

WANT position as overseer of carding or spinning or both or superintendent of small mill. Can furnish excellent references as to my ability. Address No. 2423.

WANT position as overseer of weaving by man with 23 years experience in weave room and several years as overseer of prosperous mill. Thirty-seven years of age. Can furnish excellent references. Address No. 2427.

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WANT position as overseer of large cloth room or superintendent of small weave mill running plain goods. I am 39 years of age with family. Have some mill help. I have 15 years experience in cloth rooms, running different classes of goods. I am now employed as overseer of cloth room, but can change on short notice. Good references furnished, but my work proves my experience. Address No. 2434.

WANT position as superintendent of large cotton mill in South Carolina or South Piedmont section of North Carolina. Now employed, but would like to change location. Fully capable and will consider only large jobs. Address No. 2435.

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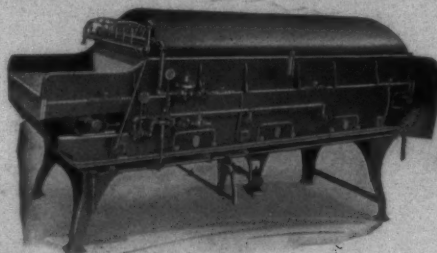
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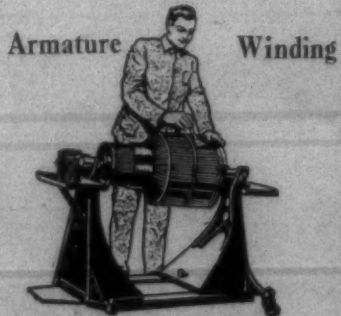
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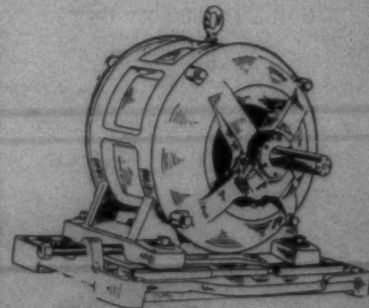
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